





مركز الدراسات والبحوث
للمواصلات والبنية التحتية
(م.م.م.ب.ت.ب.ت.)
القاهرة / مصر



الهيئة العامة
للمواصلات
(ه.م.م.م.)



وزارة النقل
Ministry of Transport

مشروع إنشاء الطرق، فائق السرعة (الطريق - فوكس)				
المقاييس التقديرية لبيد أعمال تنفيذ شركة م.م.م.ب.ت.ب.ت. من ٤٤٨٠.٦٠٠ إلى ٤٤٩٠.٨٠٠				
مرحلة أعمال (الحفر - التطهير - تشكيل الجدران - التأسيس - الأساس)				
رقم البند	وصف العمل	الوحدة	الكمية	الكمية
١-٣	أعمال الردم بالمتر المكعب أعمال تحميل و نقل التربة من الحفر إلى الردم من الحفر الممتدة والمطابقة للمواصفات وتشغيلها باستخدام الآلات الترسوية بسمك لا يزيد عن ٢٥ سم الاستكمال المنسوب القميصي تشكيل الجدران والاكشاف (نسبة تحميل كاثيوتريا لا تقل عن ١٠ % ورشها بالبيد الاصطناعية للوصول إلى نسبة الرطوبة المطلوبة والدمك الجدران بالورسات للوصول إلى أقصى كثافة جافة [99.5] من الكثافة الجافة القميصي) ويتم التفصيل طبقا للمناسيب التصميمية والاطلاعات المرحلية النموذجية والرسومات التفصيلية الممتدة والجند بجميع مستلقاته طبقا لوصول الصناعة ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندسين المشرفين.	م ^٣	٣١,٤	٢٨٤,٨٠٠
١-٣	مسافة النقل حتى ٢ كم. يتم احتساب علاوة ١,٤ جنيه لكل ١ كم زيادة وذلك حتى مسافة نقل ١٠٠ كم و ١,٢ جنيه لكل ١ كم زيادة عن مسافة نقل ١٠٠ كم يتم زيادة مبلغ ٥,٥ جنيه في حالة استخدام بالوزر في التحجير للترس المتناسكة و ذلك طبقا لتحليل التربة السعر لا يشمل قيمة المادة المتخزنة مع قيام الشركة المتفردة بتفصيل ما يثبت من الجهات الرسمية المعتمدة المشرفة عن المصالح.	م ^٣	١٦,٨	١٩١,٢٠٠
١-٣	علاوة مسافة النقل ١٥ كم علاوة تحميل الكارثة والموازي طبقا للائحة الشركة الوطنية	م ^٣	١٣	٨٧١,٠٠٠
٤	حديقة الأساس بالمتر المكعب أعمال توريد وفرش طبقة أساس (Prepared Subgrade) من الأخشاب الصلبة المتدرجة ناتج تكسير الكسرات والمطابقة للمواصفات وأقصى حجم للحبيبات ١٠٠ مم والا تزيد نسبة الحار من مدخل ٢٠ % عن ١٢ % والتخرج الوارد بالاشترائط الخاصة والمشروع لا تقل نسبة تحمل كاثيوتريا عن ٢٥ % والا تزيد نسبة التماسك بجهاز لوس الجالوس عن ٣٠ % والا يزيد الانضغاط عن ١٥ % والا يقل معامل المرونة (E _{v2}) من تجربة لوج التحميل عن ٨٠ ميجانيسكال ويتم فردها على طبقتين باستخدام الآلات الترسوية الحديثة على الا يزيد سمك الطبقة بعد تمام الدمك عن ٢٥ سم ورشها بالبيد الاصطناعية للوصول إلى نسبة الرطوبة المطلوبة والدمك الجدران بالورسات للوصول إلى أقصى كثافة جافة (لا تقل عن 99.5) من الكثافة الجافة المصنعية والفقة تشمل اجراء التجارب المصنعية والمحقلة ويتم التفصيل طبقا لوصول الصناعة والرسومات التفصيلية الممتدة والجند بجميع مستلقاته طبقا لمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندسين المشرفين.	م ^٣	٢٧٨	٥٥٨,٧٨٠
١-٤	مسافة النقل ٢٠ كم يتم احتساب علاوة ٢,٢ جنيه لكل ١ كم بالزيادة او النقصان. السعر يشمل قيمة المواد المتخزنة طبقا للائحة المنطقة بهذا القدر (٦) من الكم ٣٩٥ ٥٠٤ الكم	م ^٣	١١٤	٢,٨٩٤,٤٠٠
١-٤	علاوة تحميل الكارثة والموازي طبقا للائحة الشركة الوطنية	م ^٣	٢٥	٥٠٢,٥٠٠

مدير عام المشروعات (الهيئة)

د. محمد حمدي فؤاد

مدير المشروع (الهيئة)

م. / أمينة الخطاري

مدير المشروع (الهيئة)

م. / مصطفى نجم

مدير المشروع (الهيئة)

م. / محمد نجيب منجد

ملحوظة : أسعار البنود تقديرية لحين التفاوض



Company : Sam Han Construction

Project : El-Dokki Express Train, At Abu Solhwa to Maryut Mansoub Priority Sector (R)
- Almanshi to Foka

Subject : Determine the deformation and strength characteristics of soil by the plate
loading test according specifications: (SAS 18134-2012-04 and project requirements)

Test Location : (440+250 to 440+600)

Test Date : 06/03/2023

Report Date : 07/03/2023

Type of soil : A-1-a

Test level : Upper Embankment (Formal)

Report No. : 111.121

Dear Gentlemen,

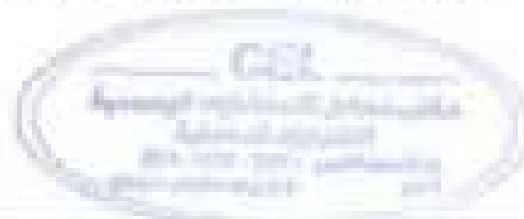
According to the above mentioned subject the test performed as follows:-

Apparatus

1. Loading plate consists of two plates with 600 mm and 300 mm diameter
2. The thickness of plates 10 mm
3. Dial gauges with accuracy 0.01 mm to measuring the settlement
4. Steel straightedges with magnetic supports to hold the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 750 bar (inward)
7. Reaction loading system by roller compressor with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clear the ground on test area to the required level with undisturbed soil
2. Install loading plates 600 mm and 300 mm diameter, hydraulic jack and 3 dial gauges
3. Prior to starting the test applied preloading about 30 seconds
4. The chain gauge and the dial gauge shall be set to zero
5. For a 600 mm loading plate, the first values are 2.5 kg/cm²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum bearing stress is reached.
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be removed in 3 stages, to 50 %, 75 %, and approximately 2 % of the maximum load.
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached)
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min.
11. Remove the loads



Report

1. Evaluation and representation of results
2. Load-Settlement curve
3. The test report content the following:
 - Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of bedding material below the plate -Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading-settlement curve
 - Description of the soil condition below the plate after testing

Result

Type of soil: Upper Embankment (Fanna) , Test level: A-5-a

- Job requirement: $E_{s2} \geq 600 \text{ Kg/cm}^2$ (60 MPa).

Item	Descriptions
- Type of bedding material below the plate	Natural Soil
- Weather condition	Partly Sunny
- Plate Diameter (mm)	300
- date of measurements	16/03/2023
- Unusual observation made during test	NO
- Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results

Test No	Station		First Cycle	Second Cycle	$\frac{F_{s2}}{F_{s1}}$ $\frac{E_{s2}}{E_{s1}}$ Ratio
	From	To	$F_{s1} (\text{kg/cm}^2)$	$F_{s2} (\text{kg/cm}^2)$	
1	448+250	448+300	982	2250	2.3
2	448+300	448+350	957	2250	2.4
3	448+350	448+400	1004	1957	1.9
4	448+400	448+450	1071	2200	2.1
5	448+450	448+500	1500	1800	1.2
6	448+500	448+550	1154	1857	1.7
7	448+550	448+600	1023	1957	1.9
8	448+600	448+650	1125	2200	2.0
9	448+650	448+700	1250	2368	1.9
10	448+700	448+750	1024	2368	1.9
11	448+750	448+800	1134	2500	2.1

Signature /

Company Name : Sun Rise Construction
Project : Sheikh Fakhry Train Stop at Abu Badr Station in Egypt - Railway Project
Test Date : 26/03/2023
Report Date : 27/03/2023
Location : Station 4481001 to 4481005
Test No. : 184

Noncompetitive Static Plate Load Tests of Soils EN 18154

Data sheet

Loading Stage (1)

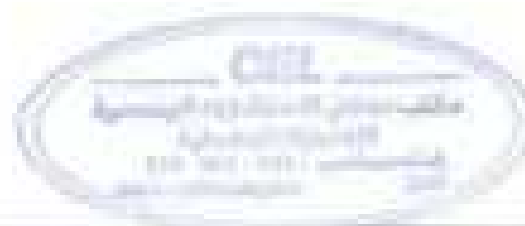
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	19.96	0.00	19.96	0.00	19.96	0.00	0.00
1	1.42	19.96	0.18	19.96	0.18	19.96	0.18	0.18
2	0.70	19.97	0.19	19.97	0.28	19.96	0.15	0.20
3	1.32	19.99	0.31	19.98	0.19	19.97	0.30	0.28
4	1.07	19.97	0.40	19.99	0.30	19.97	1.13	0.28
5	3.08	19.94	0.54	19.75	1.31	19.75	1.20	1.00
6	2.50	19.91	0.88	19.69	1.43	19.45	1.85	1.23

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	1.00	19.97	0.88	19.75	1.43	19.45	1.55	1.23
2	1.25	19.96	0.90	19.66	1.60	19.44	1.38	1.28
3	0.503	19.96	0.54	19.66	1.30	19.66	1.20	1.24
4	0.01	19.96	0.52	19.66	0.91	19.67	0.93	0.71

Loading Stage (2)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.96	0.42	19.96	1.04	19.96	0.30	0.91
1	0.83	19.93	0.49	19.96	1.12	19.95	1.48	0.98
2	1.23	19.97	0.53	19.74	1.33	19.95	1.38	0.98
3	1.67	19.97	0.60	19.66	1.31	19.75	1.39	1.06
4	2.08	19.96	0.64	19.76	1.41	19.65	1.38	1.10



Company Name:

Project:

Task Name:

Project Address:

Location:

Task No.:

Site Visit Construction:

Project Purpose: Test, from 4000 to 100000 N/mm² (Concrete) - (Concrete) - (Concrete)

Project No.:

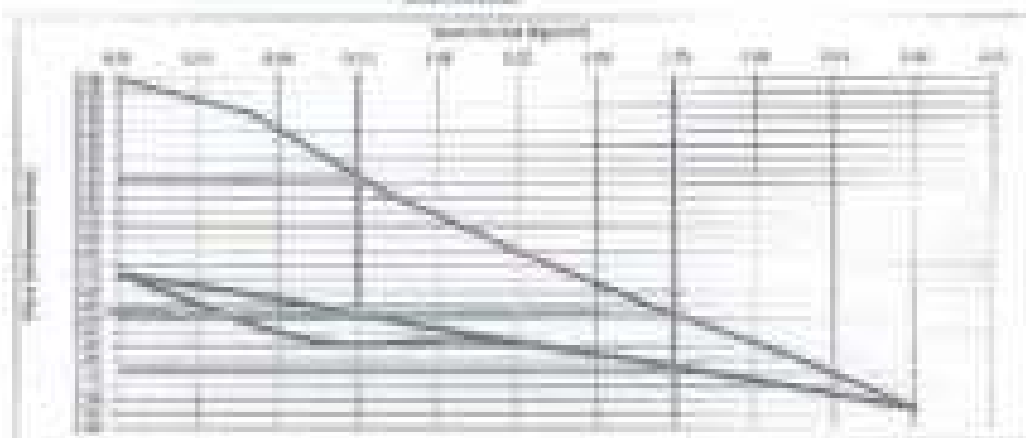
Project No.:

Project No.:

Project No.:

Concrete Strength Test Results

Table 1



Load (N)	1	2	3	4	5	6	7
Displacement (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00
Stress (N/mm ²)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Strain (mm/mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Load (N)	1	2	3	4
Displacement (mm)	0	1.00	2.00	3.00
Stress (N/mm ²)	0.00	0.00	0.00	0.00
Strain (mm/mm)	0.00	0.00	0.00	0.00

Load (N)	1	2	3	4	5	6	7
Displacement (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00
Stress (N/mm ²)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Strain (mm/mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 2

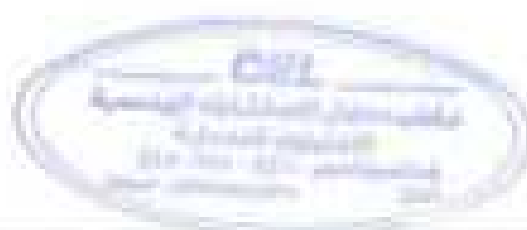
1 - Stress at maximum load during the loading stage

2 - Stress at maximum load during the unloading stage

3 - Stress at maximum load

4 - The difference between (1) and (2) from the maximum loading (and unloading)

5 - The difference between (1) and (2) from the maximum loading (and unloading)



100000 N/mm² (Concrete)

Concrete, Cairo

Tel: 011-5555555 - 011-5555555



100000 N/mm² (Concrete)

Concrete, Cairo

Tel: 011-5555555 - 011-5555555

www.ias-egypt.com

Company Name : Sun Plus Construction
 Project : El-Dokki Express Yards, First of the Yards in El-Dokki, Matruh (North) District (S) - El-Dokki in Egypt
 Test Date : 06/04/2022
 Report No. : 07/9500025
 Location : Station 488+000 to 489+000
 Test No. : 92

Nonlinear Static Plate Load Tests of Soils DIN 10134

Data sheet

Loading Stage (1)

Loading	Stress kN/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	19.00	0.00	19.00	0.00	19.00	0.00	0.00
1	0.42	19.00	0.12	19.00	0.14	19.00	0.19	0.12
2	0.83	19.00	0.23	19.00	0.30	19.00	0.29	0.25
3	1.25	19.00	0.40	19.00	0.63	19.00	0.47	0.47
4	1.67	19.00	0.50	19.00	0.90	19.00	0.63	0.63
5	2.08	19.00	0.70	19.00	1.30	19.00	0.89	0.89
6	2.50	19.00	0.87	19.00	1.40	19.00	0.95	1.04

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	2.50	19.00	0.87	19.00	1.40	19.00	0.95	1.04
2	1.25	19.00	0.84	19.00	1.32	19.00	0.71	0.89
3	0.83	19.00	0.74	19.00	1.20	19.00	0.64	0.80
4	0.42	19.00	0.81	19.00	0.88	19.00	0.41	0.63

Loading Stage (2)

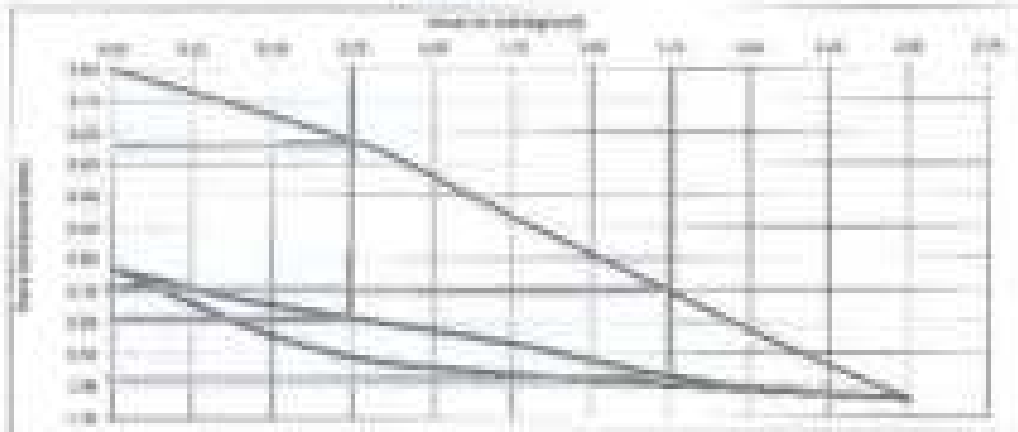
Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.42	19.00	0.50	19.00	1.19	19.00	0.47	0.73
1	0.83	19.00	0.69	19.00	1.29	19.00	0.64	0.89
2	1.25	19.00	0.72	19.00	1.59	19.00	0.59	0.97
3	1.67	19.00	0.79	19.00	1.98	19.00	0.70	0.98
4	2.08	19.00	0.89	19.00	2.40	19.00	0.76	1.00



Company Name
Project
Field No.
Sheet No.
Revision
Date

Client Name
Sheet Number
Drawing Title
Drawing Scale
Drawing Date
Drawing Location

Recommended Daily Flow Limit Table at inlet DRI 1000



Loading (t)	1	2	3	4	5	6	7
Flow (m³/day)	100	200	300	400	500	600	700
Settlement (mm)	100	200	300	400	500	600	700

Settlement (mm)	1	2	3	4
Flow (m³/day)	100	200	300	400
Settlement (mm)	100	200	300	400

Loading (t)	1	2	3	4	5	6	7
Flow (m³/day)	100	200	300	400	500	600	700
Settlement (mm)	100	200	300	400	500	600	700

Settlement (mm) = 100

Settlement (mm) = 100
Settlement (mm) = 200
Settlement (mm) = 300
Settlement (mm) = 400
Settlement (mm) = 500
Settlement (mm) = 600
Settlement (mm) = 700

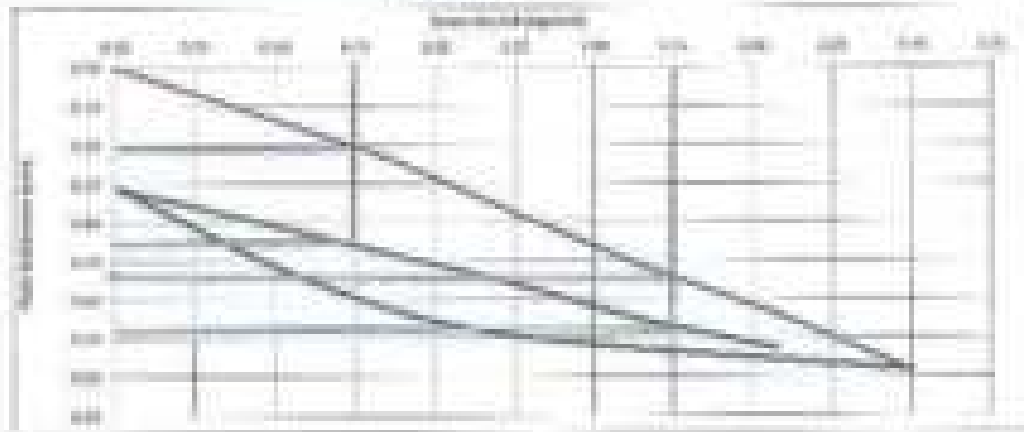


Cherchez le bonheur!

Consulting Bureau
Project:
Test Date:
Report Date:
Location:
Test No.:

Test Name: Compression Test
Sample Covered From: From First Downward Stroke Without Reversing Movement - Standard Test
Standard: ASTM D1557
ASTM D1557
ASTM D1557
ASTM D1557

Compressive Stress From Load Tests of Soil ASTM D1557



Load (kN)	0	1	2	3	4	5	6
Stress (kN/m²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Load (kN)	0	1	2	3	4	5	6
Stress (kN/m²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Load (kN)	0	1	2	3	4	5	6
Stress (kN/m²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Settlement (mm)

ASTM D1557 - Standard Test Method for Liquid Limit, Plastic Limit, and Shrinkage Limit of Fine-Grained Soils
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ASTM D1557 - Standard Test Method for Liquid Limit, Plastic Limit, and Shrinkage Limit of Fine-Grained Soils



Company Name : Sun Rise Construction
 Project : El-Dokki Paper Mills, from 4th Station to El-Dokki, El-Dokki, El-Dokki (2) - El-Dokki, El-Dokki
 Test Name : HANCOCK
 Report Date : 17/05/2022
 Location : Station 448+000 to 448+020
 Test No. : 104

Non-saturated Static Plate Load Tests of Soils DIN 15134

Data sheet

Loading Stage (I)

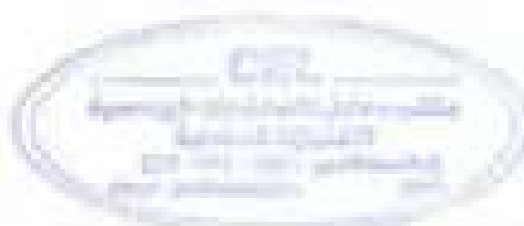
Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.42	10.07	0.13	10.06	0.03	10.05	0.17	0.11
2	0.83	10.14	0.28	10.04	0.28	10.03	0.38	0.31
3	1.25	10.21	0.43	10.02	0.38	10.02	0.48	0.50
4	1.67	10.42	0.58	10.01	0.78	10.01	0.65	0.67
5	2.09	10.50	0.70	10.01	0.89	10.01	0.89	0.81
6	2.50	10.57	0.85	10.00	1.14	10.00	0.85	0.87

Unloading Stage (I)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.09	10.57	0.83	10.00	1.14	10.00	0.98	0.91
2	1.67	10.54	0.79	10.00	0.87	10.01	0.95	0.84
3	1.25	10.51	0.63	10.01	0.55	10.01	0.90	0.72
4	0.83	10.54	0.37	10.01	0.55	10.01	0.95	0.45

Loading Stage (II)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	10.00	0.00	10.01	0.00	10.00	0.00	0.00
1	0.83	10.01	0.00	10.01	0.00	10.00	0.01	0.00
2	1.25	10.04	0.00	10.01	0.00	10.01	0.01	0.00
3	1.67	10.00	0.00	10.01	0.00	10.00	0.01	0.00
4	2.09	10.00	0.00	10.00	1.00	10.00	0.00	0.00



Company Name
Project
Sect. Name
Project No.
Location
Sect. No.

Site Map Description

Map No. of the Site, from the National Base, National Grid, UTM, Zone, Datum, etc.

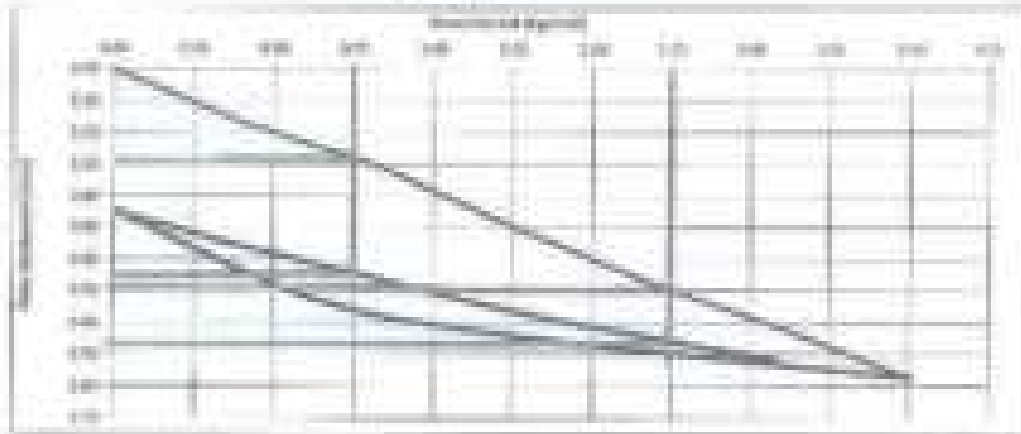
Map No.

Map No.

Map No. of the Site, from the National Base, National Grid, UTM, Zone, Datum, etc.

Map No.

Interpretation of the Data Flow Level Terms of Sale
S/N 1010



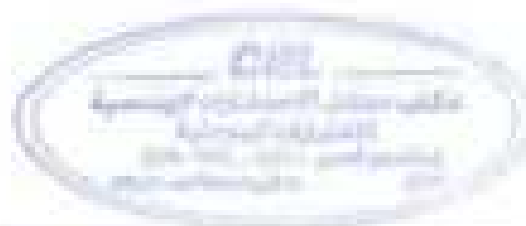
Location (S)	1	2	3	4	5	6	7
Topography	0	1100.00	2000.00	3000.00	4000.00	5000.00	6000.00
Water Depth (m)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bedrock Level (m)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Location (S)	1	2	3	4
Topography	1000	2000	3000	4000
Water Depth (m)	0.00	0.00	0.00	0.00
Bedrock Level (m)	0.00	0.00	0.00	0.00

Location (S)	1	2	3	4	5	6	7
Topography	0	1100.00	2000.00	3000.00	4000.00	5000.00	6000.00
Water Depth (m)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bedrock Level (m)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 1.1

1 - Distance of observation during the loading stage.
2 - Distance of observation during the unloading stage.
3 - Time of observation.
4 - The difference between (1) and (2) for the unloading stage (m).
5 - Difference in distance (m) corresponding to (1) and (2) for the unloading stage (m).



11. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

Keywords: *work, stress, coping, organizational commitment, organizational citizenship behavior*

Location	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	00.00	0.00	00.00	0.00	00.00	0.00	0.00
1	0.42	00.90	0.40	00.90	0.40	00.90	0.40	0.40
2	0.83	01.80	0.75	01.80	0.75	01.80	0.75	0.75
3	1.25	02.70	0.70	02.60	0.70	02.70	0.70	0.70
4	1.67	03.60	0.60	03.50	0.60	03.60	0.60	0.60
5	2.08	04.50	0.45	04.40	0.45	04.50	0.45	0.45
6	2.50	05.40	0.30	05.30	0.30	05.40	0.30	0.30

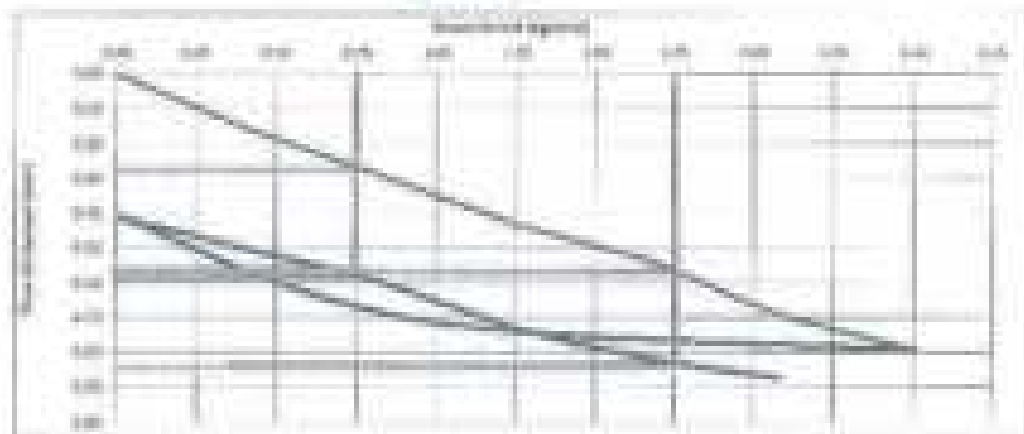
Loading	Stress	Dist. 1	Softness	Dist. 2	Softness	Dist. 3	Softness	Average
	N/mm ²		mm		mm		mm	
1	3.30	19.42	8.59	19.08	8.87	19.09	8.38	8.78
2	1.25	19.33	8.47	19.11	8.88	19.11	8.39	8.44
3	0.625	19.09	8.40	19.26	8.74	19.14	8.78	8.58
4	0.31	19.77	8.23	19.40	8.55	19.31	8.48	8.41

Reading	Score	Test 1	Settlement	Test 2	Settlement	Test 3	Settlement	Average
	Range		min		min		min	
0	0-42	10-00	0-30	10-00	0-30	10-00	0-30	0-30
1	1-53	10-00	0-40	10-00	0-70	10-00	0-40	0-40
2	1-23	10-00	0-40	10-00	0-90	10-00	0-70	0-70
3	1-07	10-00	0-40	10-00	1-00	10-00	0-80	0-80
4	2-00	10-00	0-40	10-00	1-10	10-00	0-90	0-90

Company Name
Project
Ref. No.
Sheet No.
Location
Scale

1. Soil Type: Consolidation,
2. Sample Location: From, From the following Place: (Name of the Project) - (Location of the Project)
3. Sample No.:
4. Sample Size: 100 mm
5. Sample No.: 100 mm
6. Sample No.: 100 mm

Consolidation Test, Plot of Log Time vs. Log Stress



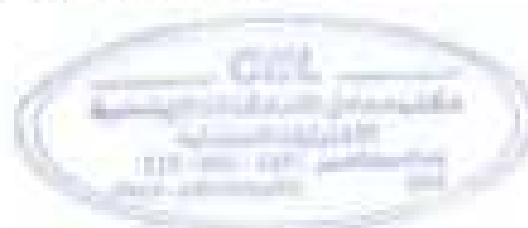
Loading (%)	1	2	3	4	5	6	7
Sample No.	1	2	3	4	5	6	7
Stress (kN/m²)	0.01	0.02	0.03	0.04	0.05	0.06	0.07
Settlement (mm)	0.01	0.02	0.03	0.04	0.05	0.06	0.07

Unloading (%)	1	2	3	4
Sample No.	1	2	3	4
Stress (kN/m²)	0.01	0.02	0.03	0.04
Settlement (mm)	0.01	0.02	0.03	0.04

$$e_{max} = 1.0$$

Loading (%)	1	2	3	4	5	6	7
Sample No.	1	2	3	4	5	6	7
Stress (kN/m²)	0.01	0.02	0.03	0.04	0.05	0.06	0.07
Settlement (mm)	0.01	0.02	0.03	0.04	0.05	0.06	0.07

- 1. Soil Type: Consolidation during the loading stage.
- 2. Sample Location: From the following Place: (Name of the Project) - (Location of the Project).
- 3. Sample No.: 100 mm.
- 4. Sample Size: 100 mm.
- 5. Sample No.: 100 mm.
- 6. Sample No.: 100 mm.
- 7. Sample No.: 100 mm.



Company Name : Sun Rise Construction
Project : Station Expansion Project, from 400+000 to 400+020 (Mokattam - Mokattam Station) - Station to Filling
Test Date : 04/04/2023
Report Date : 07/04/2023
Location : Station 400+000 to 400+020
Test No. : 08

Horizontal Static Plate Load Tests of Soils DN 10134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.25	0.30	10.00	0.10	10.00	0.40	0.26
2	0.80	10.40	0.40	10.00	0.30	10.10	0.40	0.36
3	1.20	10.40	0.50	10.00	0.30	10.00	0.30	0.50
4	1.60	10.20	0.70	10.10	0.50	10.40	0.30	0.70
5	2.00	10.10	0.80	10.00	1.00	10.30	0.50	0.80
6	2.50	10.00	0.90	10.00	1.10	10.10	0.80	0.90

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	2.00	10.00	0.80	10.00	1.10	10.10	0.80	0.90
2	1.20	10.10	0.80	10.00	0.90	10.10	0.70	0.80
3	0.80	10.10	0.70	10.10	0.80	10.20	0.70	0.70
4	0.00	10.10	0.40	10.10	0.50	10.00	0.30	0.40

Loading Stage (2)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.40	10.00	0.30	10.00	0.20	10.00	0.30	0.26
1	0.80	10.30	0.40	10.00	0.20	10.00	0.30	0.36
2	1.20	10.40	0.70	10.10	0.40	10.20	0.70	0.70
3	1.60	10.10	0.80	10.00	0.50	10.10	0.60	0.80
4	2.00	10.10	0.80	10.00	0.50	10.00	0.80	0.80



في السوق المالية
 القابضة، العامة
 كيان، 14/11/2014
 www.egyptianair.com

Company Name : Sam Nisa Construction

Project : Sheikh Faisal Park, Road Al Ain-Dubai to Ras Al Khaima (Project No. 01) - Ras Al Khaima

Test Title : 000000000

report date : 07/00/0000

Location : Station 440+000 to 440+000

Test No. : 07

Multi-Size Static Plate Load Tests of Soils

DN 10134

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.00	0.10	10.00	0.10	10.00	0.10	0.10
2	0.80	10.00	0.20	10.00	0.20	10.00	0.20	0.20
3	1.20	10.00	0.30	10.00	0.30	10.00	0.30	0.30
4	1.60	10.00	0.40	10.00	0.40	10.00	0.40	0.40
5	2.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50
6	2.40	10.00	0.60	10.00	0.60	10.00	0.60	0.60

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.40	10.00	0.60	10.00	0.60	10.00	0.60	0.60
2	1.20	10.00	0.30	10.00	0.30	10.00	0.30	0.30
3	0.80	10.00	0.20	10.00	0.20	10.00	0.20	0.20
4	0.40	10.00	0.10	10.00	0.10	10.00	0.10	0.10

Unloading Stage (2)

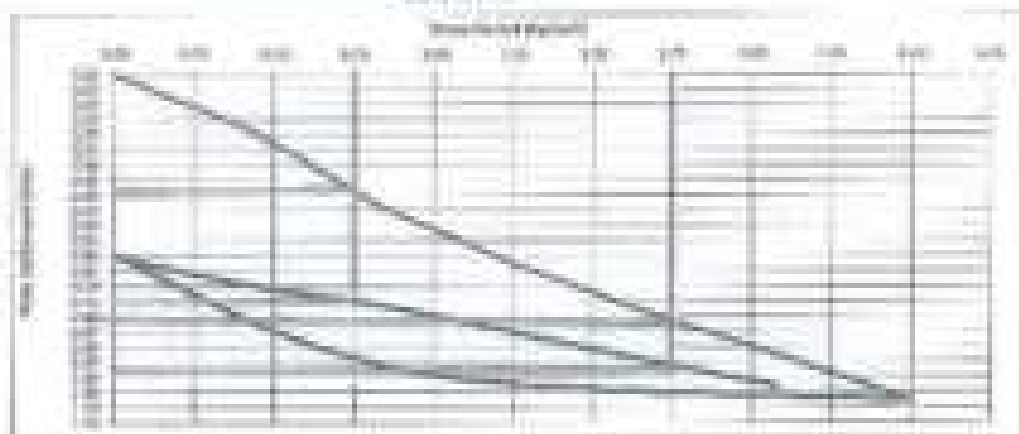
Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.40	10.00	0.10	10.00	0.10	10.00	0.10	0.10
1	0.80	10.00	0.20	10.00	0.20	10.00	0.20	0.20
2	1.20	10.00	0.30	10.00	0.30	10.00	0.30	0.30
3	1.60	10.00	0.40	10.00	0.40	10.00	0.40	0.40
4	2.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50



Company Name
Project
Test Date
Report No.
Revision
Page No.

1. Date: 20/01/2019
2. Sample Name: 100g of 100% Virgin Polypropylene (PP) - 100% Virgin
3. Sample No.: 1000000000
4. Sample Weight: 100g
5. Sample Size: 100mm x 100mm x 10mm
6. Test Method: ASTM D 1708

Compressive Stress-Strain Curve of Polypropylene (PP)



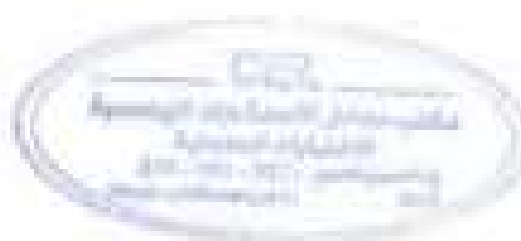
Loading (%)	0	1	2	3	4	5	6
Stress (MPa)	0	1.00	2.00	3.00	4.00	5.00	6.00
Strain (%)	0	1.00	2.00	3.00	4.00	5.00	6.00
Modulus (GPa)	0	1.00	2.00	3.00	4.00	5.00	6.00
Stress (MPa)	0	1.00	2.00	3.00	4.00	5.00	6.00
Strain (%)	0	1.00	2.00	3.00	4.00	5.00	6.00
Modulus (GPa)	0	1.00	2.00	3.00	4.00	5.00	6.00

Unloading (%)	1	2	3	4
Stress (MPa)	1.00	2.00	3.00	4.00
Strain (%)	1.00	2.00	3.00	4.00
Modulus (GPa)	1.00	2.00	3.00	4.00

Loading (%)	0	1	2	3	4	5	6
Stress (MPa)	0	1.00	2.00	3.00	4.00	5.00	6.00
Strain (%)	0	1.00	2.00	3.00	4.00	5.00	6.00
Modulus (GPa)	0	1.00	2.00	3.00	4.00	5.00	6.00
Stress (MPa)	0	1.00	2.00	3.00	4.00	5.00	6.00
Strain (%)	0	1.00	2.00	3.00	4.00	5.00	6.00
Modulus (GPa)	0	1.00	2.00	3.00	4.00	5.00	6.00

Figure 1: Compressive Stress-Strain Curve of Polypropylene (PP)

0.1 = Modulus of elasticity during the loading stage.
0.2 = Modulus of elasticity during the unloading stage.
0.3 = Modulus of elasticity.
0.4 = The difference between 0.1 and 0.2.
0.5 = The difference between 0.1 and 0.2.
0.6 = The difference between 0.1 and 0.2.



Contracting Agency : Sun Rise Construction.
 Project : Section Engineer, Heavy Duty 40 Air Station in Stone, Section Primary Station (S) - Station in Stone
 Test Name : NONCOMPRESSIVE
 Report Date : 07/05/2023
 Location : Station 440+000 to 440+000
 Test No. : 08

Noncompressive Static Plate Load Tests of Soils DR.10134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.42	10.77	0.20	10.80	0.20	10.80	0.20	0.20
2	0.83	10.00	0.50	10.00	0.50	10.00	0.50	0.50
3	1.25	10.00	0.70	10.00	0.70	10.00	0.70	0.70
4	1.67	10.00	0.80	10.00	0.80	10.00	0.80	0.80
5	2.08	10.00	0.90	10.00	0.90	10.00	0.90	0.90
6	2.50	10.00	1.10	10.00	0.80	10.00	1.10	1.00

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	2.50	10.00	1.10	10.00	0.80	10.00	1.10	1.00
2	1.25	10.00	1.00	10.00	0.80	10.00	1.00	0.90
3	0.83	10.00	0.80	10.00	0.80	10.00	0.80	0.80
4	0.42	10.00	0.80	10.00	0.80	10.00	0.80	0.80

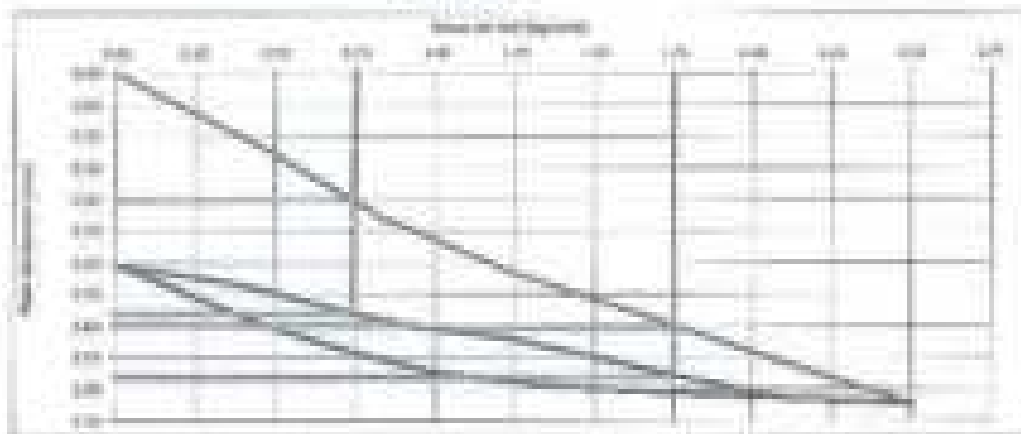
Loading Stage (2)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.42	10.00	0.70	10.00	0.50	10.00	0.70	0.60
1	0.83	10.00	0.80	10.00	0.50	10.00	0.80	0.70
2	1.25	10.00	0.90	10.00	0.70	10.00	0.90	0.80
3	1.67	10.00	0.90	10.00	0.80	10.00	1.00	0.90
4	2.08	10.00	1.00	10.00	0.90	10.00	1.00	1.00



Page 1104, Correspondence
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Department of Health, Planning and Statistics of India
 New Delhi-110 054

[illegible]

End-capping PEG	0	1	2	3
Weight(%)	0.000	0.004	0.008	0
Stress (dyn/cm ²)	0.120	0.120	0.120	0.117
Hardness (GPa)	1.10	0.98	0.87	0.85

Location, ID	1	2	3	4	5
Project/Type	1	1000.00	2500.00	5000.00	10000.00
Current (2010-2012)	0.00	0.00	0.00	0.00	0.00
Estimated (2010-2012)	0.00	0.00	0.00	0.00	0.00
10 (2010-2012) = 1000		1000.00	0.00	0.00	0.00
Estimated = 1000.00			1000.00		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Day 1: Review of information during the loading stage.
Day 2: Review of information during the forwarding stage.
Day 3: Policy Manager (cont.)
Day 4: Information collected at 2 weeks + from the National Loading Survey (English).
Day 5: Overview of information corresponding to 20 and 25 years old in national loading survey.

Company Name : Sun Rise Construction.
Project : El-Dokki Express (New) - New M. El-Dokki to New El-Dokki (Rings Road) - (New) - (New) - (New)
Test Date : 05/05/2023
report date : 07/05/2023
Location : Station 000+000 to 000+700
Test No. : 88

Noncompetitive Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.42	19.82	0.18	19.80	0.15	19.85	0.17	0.15
2	1.03	19.75	0.28	19.68	0.40	19.80	0.33	0.34
3	1.25	19.65	0.35	19.58	0.55	19.72	0.43	0.38
4	1.57	19.42	0.57	19.32	0.70	19.38	0.53	0.58
5	2.08	19.30	0.76	19.22	0.88	19.28	0.64	0.67
6	2.52	19.18	0.92	19.07	1.15	19.09	0.90	0.97

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	2.50	19.12	0.97	19.07	1.13	19.09	0.98	0.97
2	1.25	19.22	0.78	19.18	1.00	19.20	0.99	1.00
3	0.638	19.37	0.63	19.30	0.55	19.33	0.71	0.76
4	0.01	19.42	0.34	19.36	0.64	19.35	0.50	0.48

Loading Stage (2)

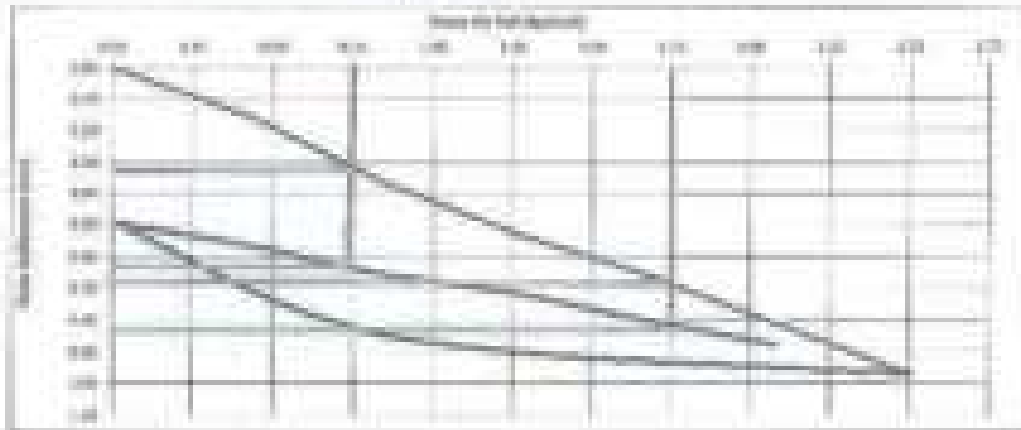
Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.42	19.75	0.41	19.70	0.72	19.65	0.58	0.55
1	0.52	19.68	0.51	19.58	0.83	19.55	0.64	0.63
2	1.22	19.43	0.80	19.38	0.82	19.38	0.72	0.71
3	1.97	19.31	0.88	19.23	0.88	19.18	0.82	0.82
4	2.08	19.22	0.78	19.05	0.84	19.12	0.88	0.88



Company Name
Project
Test Area
Report Date
Location
Country

• Soil Name: Compression
• Moisture Content: 18.5% (Atterberg Limits: 18.5% Liquid Limit, 10.5% Plastic Limit)
• Classification: CL-15
• Standard: ASTM D1586 to ASTM D1587
• Size: 100g

Compressive State Plane Load Tests of Soils ASTM D1586



Load (kg)	0	10	20	30	40	50	60
Settlement (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00
Initial (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Final (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q (kPa) = 100	Q (kPa) = 100		Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100
Q (kPa) = 100	Q (kPa) = 100		Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100

Load (kg)	0	10	20	30
Settlement (mm)	0.00	0.00	0.00	0.00
Initial (mm)	0.00	0.00	0.00	0.00
Final (mm)	0.00	0.00	0.00	0.00

Q (kPa) = 100

Load (kg)	0	10	20	30	40	50	60
Settlement (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00
Initial (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Final (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q (kPa) = 100	Q (kPa) = 100		Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100
Q (kPa) = 100	Q (kPa) = 100		Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100	Q (kPa) = 100

Q = Difference of settlement during the loading stage
Q = Difference of settlement during the unloading stage
Q = Final settlement (mm)
Q = The difference between Q and Q' (mm) for the maximum loading (mm)
Q = Difference of settlement corresponding to Q and Q' for the maximum loading (mm)



Company Name : Sun Hiss Construction
Project : Shams Engery House, Area of the house is 3000 m² (Ground Floor, 1st floor & 2nd floor)
Test Date : 08/02/2023
Report date : 07/02/2023
Location : Section 440+700 to 440+750
Test No. : 108

Compressive Static Plate Load Tests of Soils CPL10124

Data sheet

Loading Stage (1)

Loading	Stress kN/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.15	0.00	10.00	0.00	10.30	0.00	0.00
1	0.40	10.40	0.10	10.30	0.10	10.30	0.10	0.10
2	0.80	10.70	0.20	10.50	0.20	10.30	0.20	0.20
3	1.20	10.80	0.40	10.40	0.30	10.30	0.30	0.30
4	1.60	10.90	0.60	10.30	0.60	10.30	0.60	0.60
5	2.00	10.30	0.60	10.20	0.70	10.20	0.70	0.70
6	2.40	10.20	0.70	10.20	0.80	10.20	0.80	0.80

Unloading Stage (1)

Loading	Stress kN/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.00	10.20	0.70	10.20	0.80	10.20	0.80	0.80
2	1.60	10.20	0.70	10.20	0.80	10.20	0.80	0.80
3	0.80	10.20	0.60	10.20	0.70	10.20	0.70	0.70
4	0.00	10.60	0.20	10.00	0.10	10.20	0.40	0.60

Loading Stage (2)

Loading	Stress kN/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.40	10.40	0.10	10.30	0.10	10.30	0.10	0.10
1	0.80	10.40	0.20	10.40	0.30	10.20	0.30	0.20
2	1.20	10.40	0.30	10.30	0.40	10.20	0.30	0.30
3	1.60	10.30	0.60	10.20	0.70	10.20	0.60	0.60
4	2.00	10.20	0.70	10.10	0.80	10.10	0.80	0.80



Company Name
Project
Field Data
Material grade
Location
Field No.

• Soil Type: Consolidation
• Sample Exposure: Taken from all the bottom of bore - Standard Penetration Test (SPT) - Standard Proctor
• No. of Tests: 10
• Results: 100-100 to 100-100
• 10

Consolidation Data: Plot Log of Total Stress



Loading (kN)	0	1	2	3	4	5	6
Void Ratio	0	1.0000	0.9414	0.8828	0.8242	0.7656	0.7070
Stress (kN/m²)	0.00	0.00	1.00	1.25	1.50	1.75	2.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Unloading (kN)	1	2	3	4
Void Ratio	0.7070	0.7656	0.8242	0.8828
Stress (kN/m²)	0.00	1.25	1.50	1.75
Settlement (mm)	0.00	0.00	0.00	0.00

Loading (kN)	0	1	2	3	4	5	6
Void Ratio	0	1.0000	0.9414	0.8828	0.8242	0.7656	0.7070
Stress (kN/m²)	0.00	0.00	1.00	1.25	1.50	1.75	2.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure 10

10 - Plot of Log of Total Stress vs. Void Ratio
10 - Plot of Log of Total Stress vs. Settlement
10 - Plot of Log of Total Stress vs. Stress
10 - Plot of Log of Total Stress vs. Stress (kN/m²)
10 - Plot of Log of Total Stress vs. Stress (kN/m²)



Company Name : Sun Rise Construction.
Project : Eastern Express Road, Area of the Bridge to River (Almost 100m) (2) - Bridge on River.
Test Date : 06/03/2023
Report Date : 07/03/2023
Location : Station 48+700 to 48+800
Test No. : 79

Noncompetitive Static Plate Load Tests of Soils DN 10134

Quota sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.42	10.15	0.25	10.20	0.20	10.25	0.17	0.21
2	0.82	10.32	0.48	10.32	0.30	10.35	0.39	0.39
3	1.22	10.51	0.69	10.44	0.56	10.55	0.49	0.54
4	1.62	10.70	0.94	10.65	0.80	10.65	0.77	0.79
5	2.02	10.88	1.28	10.82	1.00	10.75	0.79	1.00
6	2.42	10.95	1.49	10.90	1.09	10.88	1.07	1.09

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.42	10.95	1.49	10.90	1.09	10.88	1.07	1.09
2	1.22	10.68	1.07	10.60	0.81	10.72	0.89	0.94
3	0.82	10.32	0.69	10.32	0.48	10.35	0.49	0.61
4	0.42	10.15	0.25	10.20	0.20	10.25	0.17	0.21

Loading Stage (2)

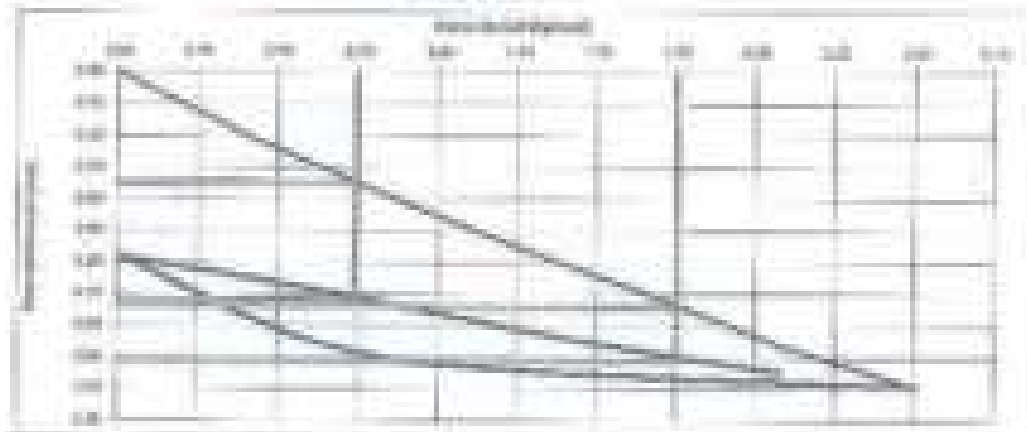
Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	10.21	0.08	10.20	0.08	10.20	0.02	0.02
1	0.82	10.25	0.27	10.25	0.21	10.25	0.29	0.25
2	1.22	10.34	0.66	10.31	0.79	10.35	0.79	0.61
3	1.62	10.48	0.82	10.45	0.87	10.48	0.90	0.80
4	2.02	10.60	0.97	10.55	0.88	10.58	0.92	0.90



Emergency Medical
 Program
 First Year
 Report Card
 Location
 Teacher

1. State Your Complaint(s).
 I recently received Trade, from All Day Commerce in Denver, Colorado (Phone: 303-733-1111) Address: 4410
 10th Avenue
 10th Avenue
 Denver, Colorado 80202
 2. Describe what you are complaining about.
 I received a trade from All Day Commerce in Denver, Colorado (Phone: 303-733-1111) Address: 4410
 10th Avenue
 10th Avenue
 Denver, Colorado 80202

Abstract The authors examined the effects of a 12-week, 100% body weight (BW) resistance training program on the body composition and muscle strength of 10 sedentary, middle-aged men. The men were randomly assigned to either a control group (CON) or a resistance training group (RT). The RT group performed a 12-week, 100% BW resistance training program, while the CON group remained sedentary. The RT group showed significant increases in muscle mass and strength, while the CON group showed no significant changes. The RT group also showed a significant decrease in body fat percentage, while the CON group showed no significant changes. The results of this study suggest that a 12-week, 100% BW resistance training program can effectively improve body composition and muscle strength in sedentary, middle-aged men.

[illegible]

Test condition (%)	0	2	4	8
Slag (%)	0.00	0.04	0.08	0
Slag (kg/m ³)	0	1.25	2.50	5.00
Reduction (%)	0.00	0.04	0.08	0.00

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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01 = Position of observation during the landing stage
 02 = Position of observation during the following stage
 03 = Value (0 or 1000)
 04 = The difference between 01 and 02 from the individual landing (empty space)
 05 = Difference in successive observations, and 01 and 02 from the observation made on land

Concern : San Riss Construction

Project : Electric Express Train, Al Ain Station to Marsa Matruh Heavy Gauge (R)
: Najm to Foka
Subject : Determine the deformation and strength characteristics of soil by the plate
loading test according specifications DBI 18134.2012-04 and project requirements
Test Location : Station 440+000 to 440+200
Test Date : 23/03/2023
Report Date : 25/03/2023
Type of soil : A-1-a
Test level : Upper Embankment (Firm)
Report No. : SR/102

Dear Gentlemen,

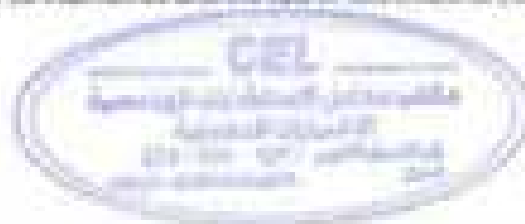
According to the above mentioned subject the test performed as follows:

Apparatus

1. Loading plates consists of two plates with 800 mm and 300 mm diameter
2. The thickness of plates 30 mm
3. Dial gauges with accuracy 0.01 mm to measuring the settlement
4. Steel straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 100 bar (inches)
7. Reaction loading system by roller compactor with weight approximately 10 ton
8. Calibration certificates are attached

Test Procedure

1. Clean the ground on test area to the required level with undisturbed soil
2. Install loading plates 800 mm and 300 mm diameter, hydraulic jack and 2 dial gauges
3. Prior to starting the test applied preloading about 30 seconds
4. The strain gauge and the dial gauge shall be set to zero
5. For a 300 mm loading plate, the limit values are 2.5 kg/cm²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum normal stress is reached
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be removed in 3 stages, i.e. 25 %, 25 %, and approximately 2 % of the maximum load
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached).
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min
11. Remove the loads



Report

1. Evaluation and representation of results
2. Load Settlement curve
3. The test report contain the following:
 - Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of bedding material below the plate -Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading settlement curve
 - Description of the soil conditions below the plate after testing

Report

Type of soil: Upper Embankment (Ferral) ,Test level: A-1-a

- Job requirement: $E_{v2} > 500 \text{ Kg/cm}^2$ (40 MPa).

Item	Description
Type of bedding material below the plate	Natural Soil
Weather condition	Partly Sunny
Plate Diameter (mm)	600
Date of measurement	23/02/2023
Unusual observation made during test	NO
Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results

Test No	Material		First Cycle	Second Cycle	E_{v2} Ratio
	From	To	E_{v1} (kg/cm ²)	E_{v2} (kg/cm ²)	
1	440-500	440-550	1731	2047	1.8
2	440-550	440-600	1807	2143	1.3
3	440-600	440-650	1218	1552	1.3
4	440-650	440-700	1800	1338	0.7
5	440-700	440-750	1524	1532	1.2
6	440-750	440-800	1875	1194	0.6
7	440-800	440-850	1250	1800	1.4
8	440-850	440-900	1304	1667	1.3

Signature /



Company Name : Sot Rise Construction
Project : Sheikh Ezzaini Trest, Km 16.400 between to El-Dokki, Mena, Project (SotR) - Station 16.400
Test Date : 20/02/2022
report date : 20/02/2022
Location : Station 442+000 to 443+000
Test No. : 01

Noncompetitive Static Plate Load Tests of Soils DN 18134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	1.42	10.25	0.25	10.75	0.25	10.75	0.25	0.25
2	2.83	10.50	0.50	10.50	0.50	10.50	0.50	0.50
3	4.25	10.50	0.50	10.44	0.56	10.40	0.60	0.52
4	5.67	10.54	0.54	10.58	0.61	10.55	0.64	0.57
5	7.08	10.51	0.58	10.67	0.63	10.55	0.67	0.60
6	8.50	10.56	0.78	10.57	0.80	10.50	0.81	0.73

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	7.08	10.25	0.75	10.57	0.80	10.50	0.81	0.81
2	5.67	10.38	0.70	10.58	0.80	10.55	0.80	0.80
3	4.25	10.51	0.68	10.50	0.88	10.54	0.76	0.71
4	2.83	10.58	0.81	10.47	0.93	10.40	0.88	0.88

Loading Stage (2)

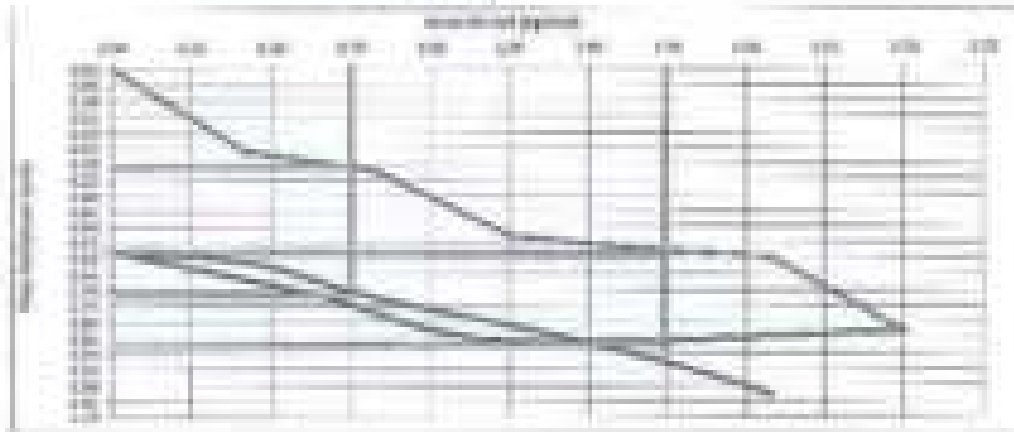
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	10.07	0.02	10.04	0.00	10.05	0.01	0.01
1	0.83	10.34	0.75	10.55	0.88	10.27	0.79	0.73
2	1.25	10.42	0.58	10.50	0.71	10.55	0.68	0.61
3	1.67	10.58	0.86	10.57	0.80	10.67	0.80	0.81
4	2.08	10.67	1.04	10.60	0.88	10.59	1.07	1.03



Company Name
Project
Test Type
Report No.
Location
Test No.

• Soil Flow Characteristics
• Dynamic Engineering Tests: Tests done in the testing to derive dynamic property factors (e.g., Modulus Ratio, Damping Ratio)
• Soil Strength
• Seismic Hazard to Structures
• etc.

Normalized Static Plate Load Tests of Soils (PL 3010)



Loading (%)	0	1	2	3	4	5	6
Original	0	1180.00	2360.00	3540.00	4720.00	5900.00	7080.00
Corrected	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Settlement (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Dynamic	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Settlement	0.00	0.01	0.02	0.03	0.04	0.05	0.06

Loading (%)	0	1	2	3	4	5	6
Original	0	1180.00	2360.00	3540.00	4720.00	5900.00	7080.00
Corrected	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Settlement (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

Loading (%)	0	1	2	3	4	5	6
Original	0	1180.00	2360.00	3540.00	4720.00	5900.00	7080.00
Corrected	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Settlement (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Dynamic	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Settlement	0.00	0.01	0.02	0.03	0.04	0.05	0.06

Figure 1-1

• Soil modulus of subgrade during the loading stage.
• E_d = Modulus of subgrade during the following stage.
• E_s = Plate modulus (mm).
• E_s = The dynamic modulus (2 and 3 from the dynamic loading curve (Figure 1-1)).
• E_s = Difference in settlement corresponding at 0.1 and 0.15 mm the dynamic loading curve.



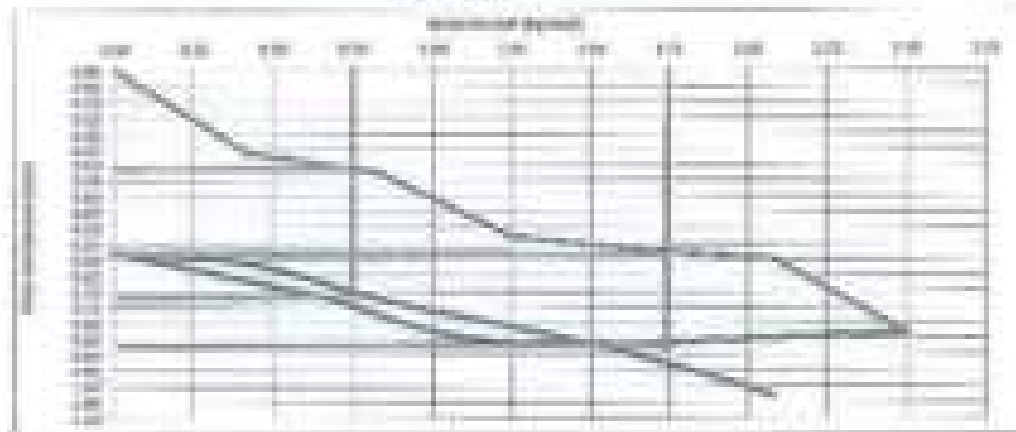
Designing Series

Project
Test Type
Report Date
Location
Test No.

Test Plan Description

Static Tensile Tests, Test of the Tensile of Steel (Steel Tensile Bar) - Standard Test
1.000000
1.000000
1.000000
1.000000
1.000000

Recommended Static Tensile Test of Steel EN 10131



Loading (T)	0	1	2	3	4	5	6
Yield (kg)	0	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Stress (kg/cm²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Strain (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Yield (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Yield (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Yield (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

Yield (T)	0	1	2	3	4	5	6
Yield (kg)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Stress (kg/cm²)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Strain (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

Loading (T)	0	1	2	3	4	5	6
Yield (kg)	0	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Stress (kg/cm²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Strain (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Yield (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Yield (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Yield (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

Table 1.1

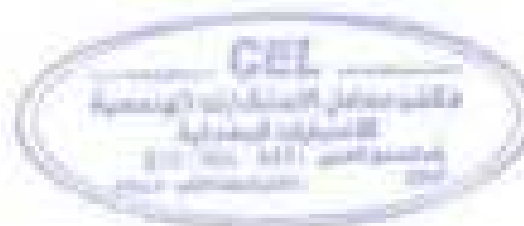
0.00 = Maximum of elongation during the loading stage

0.01 = Maximum of elongation during the loading stage

0.02 = Peak elongation

0.03 = The difference between 0.02 and 0.01 from the maximum loading (peak) stage

0.04 = Difference in elongation corresponding to 0.02 and 0.01 from the maximum loading stage



Company Name: Sun Rise Construction
 Project: Sheikh Saeed Taha, from Al Ain Station to Masar Alnassaj Street (2) - Masar Alnassaj
 Test Date: 22/07/2019
 report date: 22/07/2019
 Location: Station 480+000 to 500+000
 Test No.: 02

Noncompetitive Static Plate Load Tests of Soils DN 18134

Data sheet

Loading Stage (1)

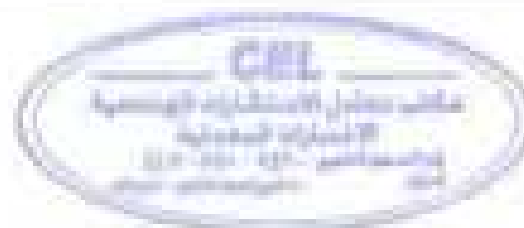
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.55	8.20	15.55	8.20	15.55	8.20	8.20
1	0.42	15.75	8.24	15.75	8.28	15.75	8.28	8.28
2	0.82	15.73	8.28	15.68	8.37	15.68	8.34	8.32
3	1.23	15.68	8.33	15.64	8.56	15.59	8.58	8.53
4	1.67	15.54	8.68	15.49	8.67	15.50	8.58	8.67
5	2.08	15.51	8.68	15.37	8.83	15.33	8.67	8.68
6	2.50	15.35	8.75	15.17	8.83	15.07	8.61	8.67

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.10	15.23	8.75	15.17	8.83	15.09	8.61	8.63
2	1.28	15.28	8.75	15.08	8.81	15.14	8.68	8.68
3	0.825	15.33	8.68	15.12	8.88	15.14	8.76	8.71
4	0.01	15.38	8.61	15.07	8.83	15.05	8.68	8.68

Loading Stage (2)

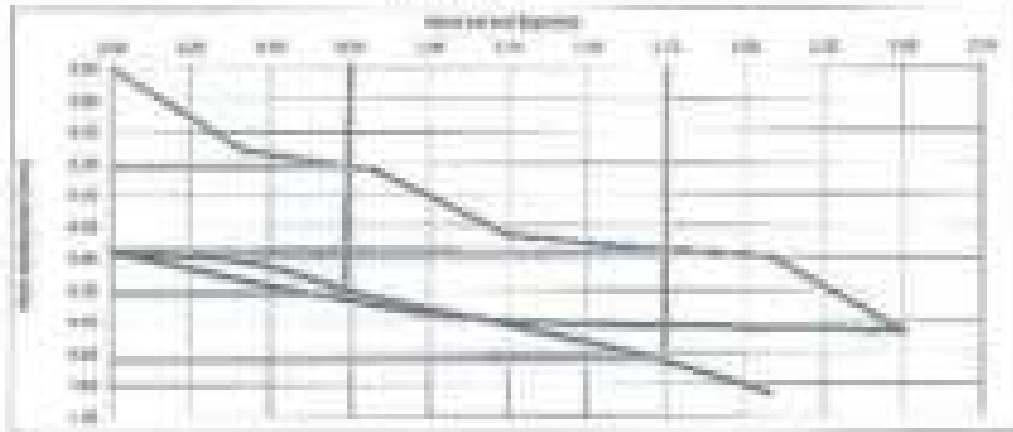
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	15.37	8.83	15.44	8.56	15.35	8.64	8.61
1	0.83	15.35	8.76	15.32	8.88	15.37	8.73	8.72
2	1.23	15.33	8.88	15.26	8.71	15.34	8.64	8.61
3	1.67	15.09	8.88	15.13	8.83	15.07	8.63	8.61
4	2.08	15.07	1.83	15.05	8.88	15.03	1.87	1.83



Company Name
Project
Test Date
Report Date
Location
Test No.

1. Bulk Flow Characteristics
Material: Egyptian Grade 40 Steel in the form of Bars - Standard: Egyptian Standard 88 - Modulus of Elasticity: 200000 MPa
2. Bulk Flow Characteristics
Material: Egyptian Grade 40 Steel in the form of Bars - Standard: Egyptian Standard 88 - Modulus of Elasticity: 200000 MPa
3. Bulk Flow Characteristics
Material: Egyptian Grade 40 Steel in the form of Bars - Standard: Egyptian Standard 88 - Modulus of Elasticity: 200000 MPa

Compressive Stress-Strain Load-Displacement of Bars
EN 10080



Load (kN)	1	2	3	4	5	6
Displacement (mm)	0	100.00	100.00	100.00	100.00	100.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00

Displacement (mm)	1	2	3	4
Displacement (mm)	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00

Load (kN)	1	2	3	4	5	6
Displacement (mm)	0	100.00	100.00	100.00	100.00	100.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00

Displacement (mm) = 0.00

1.1 - Maximum of displacement during the loading stage.
1.2 - Maximum of displacement during the unloading stage.
1.3 - Maximum of displacement during the unloading stage.
1.4 - Maximum of displacement during the unloading stage.
1.5 - Maximum of displacement during the unloading stage.
1.6 - Maximum of displacement during the unloading stage.



Company Name : San Hiss Construction
 Project : El-Halla Express Train from El-Halla Station to Helwan Railway Station Section (B) - Helwan to Helwan
 Test Name : CBR
 Report Date : 25/05/2023
 Location : Station 440+000 to 440+000
 Test No. : 03

Representative Static Plate Load Tests of Soils DMM 18134

Data sheet

Loading Stage (1)

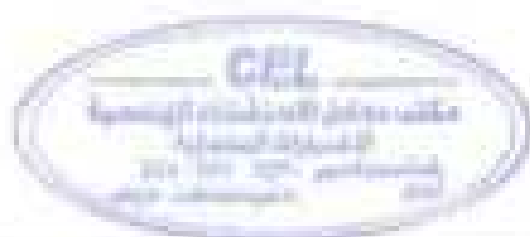
Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	19.00	0.00	19.00	0.00	19.00	0.00	0.00
1	0.47	19.02	0.02	19.05	0.05	19.07	0.03	0.04
2	0.93	19.04	0.04	19.07	0.07	19.09	0.04	0.06
3	1.39	19.06	0.06	19.09	0.09	19.10	0.06	0.08
4	1.87	19.12	0.12	19.12	0.12	19.11	0.09	0.09
5	2.34	19.43	0.43	19.21	0.21	19.17	0.21	0.21
6	2.80	19.12	0.12	19.16	0.16	19.25	0.01	0.04

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.34	19.12	0.12	19.16	0.16	19.25	0.01	0.04
2	1.87	19.06	0.06	19.09	0.09	19.10	0.07	0.08
3	0.93	19.04	0.04	19.07	0.07	19.09	0.08	0.06
4	0.47	19.02	0.02	19.05	0.05	19.07	0.07	0.04

Loading Stage (2)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.47	19.04	0.04	19.07	0.07	19.09	0.04	0.04
1	0.93	19.06	0.06	19.09	0.09	19.10	0.03	0.07
2	1.39	19.07	0.07	19.11	0.11	19.08	0.02	0.07
3	1.87	19.14	0.10	19.16	0.12	19.00	1.00	0.08
4	2.34	19.08	0.07	19.05	0.05	19.02	1.07	1.00



Company Name : Sam Risa Construction

Project : Station Upgrade (Ras-El-Ein Station to New- Marout Heavy Sector (B) - Ras-el-Ein

Test Date : 20/03/2013

report date : 20/03/2013

Location : Station 488+500 to 489+000

Test No. : 34

Compressive Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (I)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.42	15.06	0.14	15.00	0.08	15.16	0.22	0.14
2	0.83	15.12	0.28	15.06	0.14	15.00	0.28	0.22
3	1.25	15.14	0.40	15.00	0.24	15.14	0.40	0.29
4	1.67	15.43	0.57	15.00	0.36	15.02	0.58	0.50
5	2.08	15.25	0.71	15.12	0.48	15.00	0.78	0.63
6	2.50	15.20	0.88	15.00	0.61	15.17	0.83	0.76

Unloading Stage (I)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	15.20	0.88	15.00	0.61	15.17	0.83	0.76
2	1.25	15.07	0.75	15.00	0.58	15.02	0.79	0.69
3	0.83	15.11	0.68	15.02	0.48	15.20	0.71	0.60
4	0.42	15.00	0.49	15.01	0.36	15.07	0.38	0.35

Loading Stage (II)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	15.11	0.58	15.00	0.31	15.14	0.48	0.43
1	0.83	15.11	0.68	15.01	0.43	15.02	0.58	0.57
2	1.25	15.00	0.82	15.01	0.62	15.08	0.71	0.70
3	1.67	15.00	1.00	15.11	0.79	15.16	0.88	0.90
4	2.08	15.01	1.07	15.00	0.89	15.08	0.92	0.96



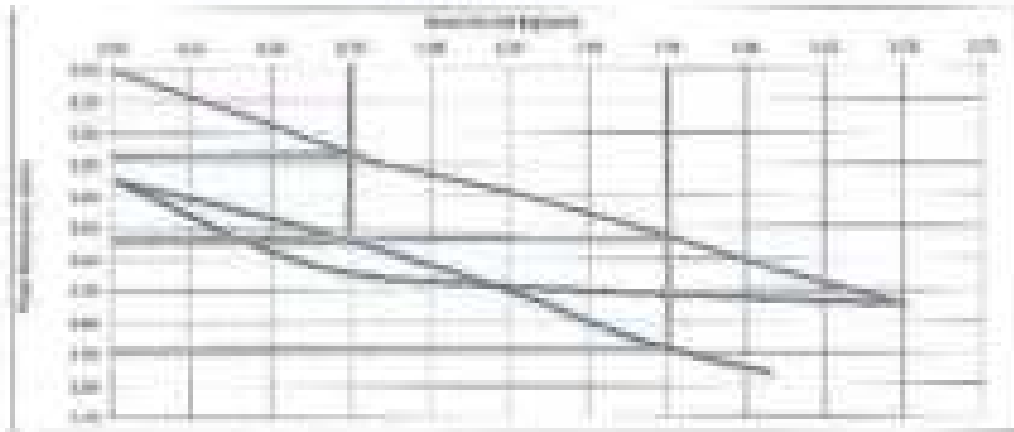
Computing Sheet

Project
Test Date
Project No.
Location
Test No.

1. Test Plan Characteristics

Concrete Specimen Type: Size of Specimen: Number of Specimens:
Cement: Water:
Curing: to Days
Age:

Recommended Basic Load and Factor of Safety (ASCE 18.12.1)



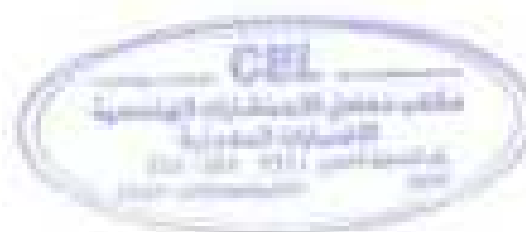
Loading (kN)	1	2	3	4	5	6	7
Required	1	1.5849	2.2361	3.1623	4.4668	6.3096	8.9125
Stress (MPa)	0.00	0.02	0.03	0.04	0.05	0.07	0.10
Reinforcement Ratio	0.00	0.11	0.15	0.20	0.25	0.33	0.47

Reinforcement Ratio	1	2	3	4
Required	1.00	1.58	2.24	3.16
Stress (MPa)	0.00	0.02	0.03	0.04
Reinforcement Ratio	0.00	0.11	0.15	0.20

Loading (kN)	1	2	3	4	5	6	7
Required	1	1.5849	2.2361	3.1623	4.4668	6.3096	8.9125
Stress (MPa)	0.00	0.02	0.03	0.04	0.05	0.07	0.10
Reinforcement Ratio	0.00	0.11	0.15	0.20	0.25	0.33	0.47

Table 18.12.1 (ASCE 18.12.1)

1. f'_{cr} = Modulus of rupture of concrete at the loading stage.
2. f'_{cr} = Modulus of rupture of concrete at the loading stage.
3. f'_{cr} = Modulus of rupture of concrete at the loading stage.
4. f'_{cr} = Modulus of rupture of concrete at the loading stage.
5. f'_{cr} = Modulus of rupture of concrete at the loading stage.



Company Name : Sam Elwan Construction
Project : Metro Elwan Train from El Maadi Station to New Elwan Station Project No : 00000000
Test Date : 2000/00/00
Report Date : 2000/00/00
Location : Station 440+000 to 440+070
Test No : 05

Nonresilient Static Plate Load Tests of Soils DIN 18134

Date used

Loading Stage (I)

Loading	Stress Kgf/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.00	0.14	10.00	0.21	10.00	0.20	0.14
2	0.60	10.00	0.20	10.00	0.20	10.00	0.00	0.20
3	1.20	10.00	0.40	10.00	0.31	10.00	0.30	0.40
4	1.60	10.00	0.50	10.00	0.44	10.00	0.37	0.50
5	2.00	10.00	0.71	10.00	0.60	10.00	0.70	0.70
6	2.50	10.00	0.80	10.00	0.91	10.00	0.80	0.80

Unloading Stage (I)

Loading	Stress Kgf/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	10.00	0.80	10.00	0.91	10.00	0.80	0.80
2	1.20	10.00	0.70	10.00	0.80	10.00	0.80	0.70
3	0.60	10.00	0.60	10.00	0.70	10.00	0.60	0.60
4	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00

Loading Stage (II)

Loading	Stress Kgf/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.40	10.00	0.50	10.00	0.50	10.00	0.50	0.50
1	0.60	10.00	0.60	10.00	0.70	10.00	0.70	0.70
2	1.20	10.00	0.80	10.00	0.80	10.00	0.80	0.80
3	1.60	10.00	0.90	10.00	0.90	10.00	0.90	0.90
4	2.00	10.00	1.00	10.00	1.00	10.00	1.00	1.00



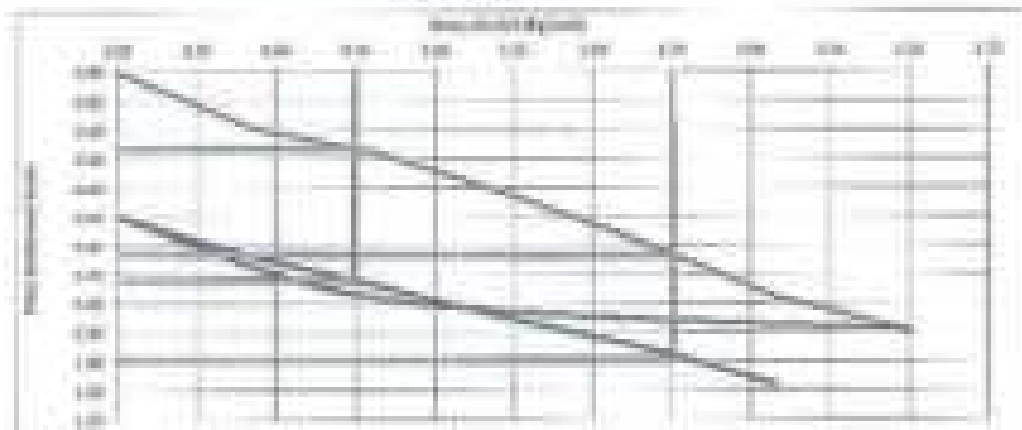
Company Data:

Project:
Test Type:
Report No.:
Location:
Date (M):

• Test File Description:

Test File Description: Tests Made in the Testing of Steel Reinforced Concrete Beams - Shear in Tensile
Reference:
Standard:
Machine: 400 kN to 1000 kN
Date:

Shear Reinforcement Ratio, Flexure Load Ratio of Beams (EN 12512)



Loading (t)	0	1	2	3	4	5	6
Support	0	1000.00	2000.00	3000.00	4000.00	5000.00	6000.00
Steel (kg/cm²)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Loading (t)	0	1	2	3	4	5	6
Support	0	1000.00	2000.00	3000.00	4000.00	5000.00	6000.00
Steel (kg/cm²)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Reinforcement (mm)

Loading (t)	0	1	2	3	4	5	6
Support	0	1000.00	2000.00	3000.00	4000.00	5000.00	6000.00
Steel (kg/cm²)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Reinforcement (mm) at maximum during the loading stage
Reinforcement (mm) at maximum during the following stage
Reinforcement (mm)

Reinforcement (mm) at maximum during the loading stage
Reinforcement (mm) at maximum during the following stage
Reinforcement (mm)



Company Name : Sam Hise Construction
Project : Healy Express Road, From 4th Avenue to New Market/Prady Road (2) - Street to Pkwy
Test Date : 25/03/2023
report date : 25/03/2023
Location : Station 440+000 to 440+100
Test No. : 00

Nonresilient Static Plate Load Tests of Soils DM 10124

Data sheet

Loading Stage (1)

Loading	Stress Kgf/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.25	0.00	15.25	0.00	15.25	0.00	0.00
1	0.42	15.26	0.18	15.25	0.05	15.25	0.24	0.16
2	0.85	15.24	0.36	15.24	0.15	15.25	0.26	0.29
3	1.28	15.22	0.57	15.23	0.24	15.24	0.46	0.39
4	1.67	15.22	0.58	15.24	0.34	15.21	0.50	0.51
5	2.06	15.24	0.72	15.22	0.46	15.20	0.70	0.63
6	2.50	15.22	0.79	15.20	0.60	15.22	0.83	0.74

Unloading Stage (1)

Loading	Stress Kgf/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.06	15.25	0.79	15.20	0.60	15.22	0.83	0.74
2	1.28	15.28	0.72	15.23	0.54	15.22	0.79	0.69
3	0.85	15.30	0.60	15.22	0.40	15.25	0.71	0.61
4	0.42	15.35	0.41	15.23	0.25	15.32	0.36	0.33

Loading Stage (2)

Loading	Stress Kgf/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	15.26	0.18	15.25	0.21	15.24	0.40	0.40
1	0.85	15.23	0.71	15.22	0.42	15.22	0.68	0.61
2	1.28	15.24	0.82	15.20	0.57	15.20	0.71	0.70
3	1.67	15.27	0.92	15.21	0.79	15.20	0.84	0.80
4	2.06	15.32	1.08	15.20	0.91	15.28	0.92	0.91



100

100



Company Name : Sam Riza Construction
 Project : Heavy Express Train, New Ataba Station at Helwan, Helwan Railway Sector (H) - Helwan to Helwan
 Test Date : 23/02/2023
 Report Date : 23/02/2023
 Location : Station 000+100 to 400+000
 Test No. : 07

Compressive Static Plate Load Tests of Soils (BS 13734)

Unit: mm

Loading Stage (I)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.18	0.17	10.18	0.17	10.17	0.15	0.17
2	0.80	10.40	0.39	10.51	0.49	10.71	0.57	0.39
3	1.20	10.59	0.57	10.69	0.69	10.89	0.91	0.61
4	1.60	10.69	0.58	10.77	0.77	10.91	0.97	0.65
5	2.00	10.71	0.69	10.80	0.81	10.91	0.99	0.79
6	2.40	10.75	0.89	10.91	1.07	10.99	0.99	0.89

Unloading Stage (I)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.00	10.75	0.89	10.91	1.07	10.99	0.99	0.89
2	1.60	10.76	0.73	10.79	0.77	10.79	0.79	0.73
3	0.80	10.76	0.39	10.79	0.39	10.79	0.39	0.39
4	0.00	10.69	0.29	10.69	0.33	10.69	0.43	0.33

Loading Stage (II)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.40	10.17	0.43	10.17	0.73	10.61	0.57	0.58
1	0.80	10.40	0.67	10.36	0.89	10.61	0.89	0.73
2	1.20	10.61	0.89	10.59	0.99	10.71	0.79	0.79
3	1.60	10.71	0.79	10.69	1.34	10.71	0.87	0.93
4	2.00	10.80	0.91	10.80	1.72	10.81	0.99	1.02



Forming Name:

Project:

Test Date:

Test No.:

Location:

Test No.:

1. Test Name: Compression

2. Test Description: Test, from 0 to 100% of Design Strength, of Concrete Specimen (C1) - Compressive Strength

3. Test Results:

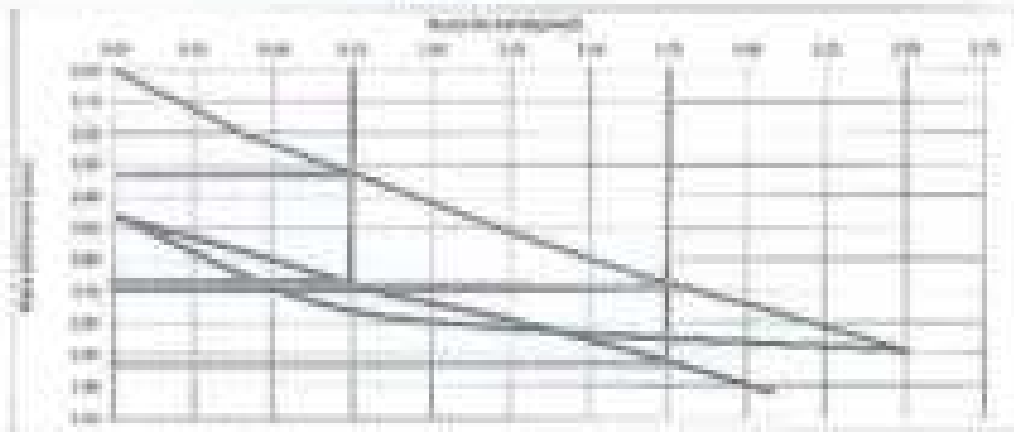
4. Test Results:

5. Test Results: 100% to 100% of Design Strength

6. Test Results:

Compressive Strength, Flexure Load Tests of Joints

100% to 100%



Loading (%)	0	1	2	3	4	5	6
Strength (kN)	0	1000.00	2000.00	3000.00	4000.00	5000.00	6000.00
Flexure (kN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Deflection (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Displacement (mm)	1	2	3	4
Strength (kN)	1000	2000	3000	4000
Flexure (kN)	0.00	0.00	0.00	0.00
Deflection (mm)	0.00	0.00	0.00	0.00

Loading (%)	0	1	2	3	4	5	6
Strength (kN)	0	1000.00	2000.00	3000.00	4000.00	5000.00	6000.00
Flexure (kN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Deflection (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Displacement = 0.00

0.00 = Displacement of specimen during the loading stage.

0.00 = Displacement of specimen during the unloading stage.

0.00 = Displacement of specimen.

0.00 = Displacement of specimen (0.00 and 0.00) from the specimen loading (0.00 and 0.00).

0.00 = Displacement of specimen (0.00 and 0.00) from the specimen loading (0.00 and 0.00).



Contracting Name : San Nile Construction,
Project : Rasheed Express Train, from Ayman Station to Shoush - Rasheed Priority Station (A) - Rasheed to Fria
Test Date : 15/06/2023
Report Date : 20/06/2023
Location : Station 400+100 to 400+300
Test No : 100

Normative Static Plate Load Tests of Soils CEN 19134

Data sheet

Loading Stage (1)

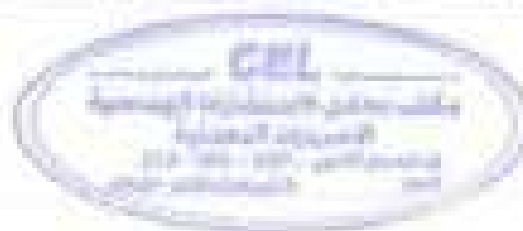
Loading	Stress kPa/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.30	0.00	15.30	0.00	15.20	0.00	1.53
1	0.43	15.41	0.10	15.53	0.23	15.07	0.10	1.50
2	0.86	15.58	0.28	15.63	0.33	15.73	0.27	1.50
3	1.29	15.68	0.38	15.75	0.45	15.68	0.44	1.48
4	1.72	15.80	0.50	15.77	0.47	15.47	0.37	1.51
5	2.15	15.92	0.62	15.80	0.50	15.52	0.38	1.51
6	2.58	16.00	0.68	15.87	0.57	15.50	0.45	1.51

Unloading Stage (1)

Loading	Stress kPa/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.15	15.90	0.60	15.80	0.50	15.70	0.48	1.51
2	1.72	15.70	0.71	15.67	0.33	15.38	0.76	1.51
3	0.86	15.37	0.83	15.33	0.35	15.33	0.68	1.51
4	0.00	15.40	0.20	15.30	0.01	15.35	0.47	1.40

Loading Stage (2)

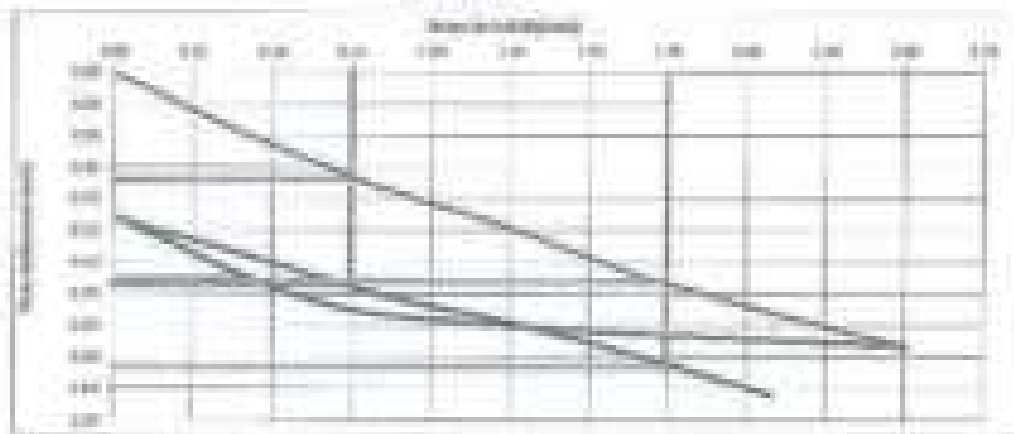
Loading	Stress kPa/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.43	15.57	0.43	15.57	0.73	15.41	0.37	0.55
1	0.86	15.45	0.57	15.55	0.54	15.51	0.58	0.51
2	1.29	15.40	0.68	15.59	0.81	15.43	0.78	0.70
3	1.72	15.34	0.79	15.60	0.88	15.33	0.87	0.80
4	2.15	15.28	0.91	15.63	1.17	15.31	0.88	1.00



- **Young's Modulus**
- **Stress**
- **Strain**
- **Modulus of Elasticity**
- **Stress**
- **Strain**

- **Direct Mail Campaigns:**
 • **Direct Mail:** Sending mail to specific individuals or groups (e.g., newsletters, brochures).
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Regression: Static Price Level Tests of Data



Landing (%)	-6	-9	-12	-15	-18	-21	-24
Gauging	0	7.00E-05	2.44E-04	2.02E-03	8.73E-03	3.69E-02	0.0001
Score (g/cm ²)	0.00	0.42	0.83	0.29	0.43	0.08	0.00
Normalized score	0.00	0.20	0.40	0.50	0.20	0.10	0.00

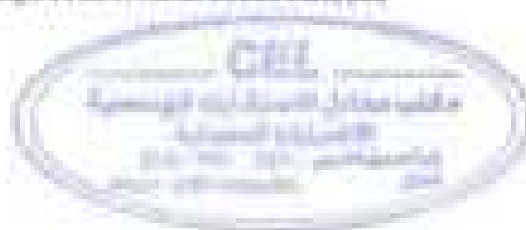
Frequency	Mean	Stdev	Variance	Skewness	Kurtosis
(x) frequency = (y)/total frequency	0.00	0.00	0.00	0.00	0.00

Modeling, %	0	1	2	3
Impact of	1000	1000	1000	1000
Impact of	1000	1000	1000	1000
Impact of	1000	1000	1000	1000
Impact of	1000	1000	1000	1000

Learning 2	4	7	8	9	9	9
Answering	4	1300.00	2100.0	2000.0	2100.0	2000.0
Answer (group)	0.01	0.01	0.01	0.01	0.01	0.01
Answer (row)	0.01	0.01	0.01	0.01	0.01	0.01
Answer (row)	0.01	0.01	0.01	0.01	0.01	0.01
Answer (row)	0.01	0.01	0.01	0.01	0.01	0.01

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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10. a. This difference represents 2.5 percent of the pre-tax investment funding source (interest).
 10. b. Difference of 1.5 percent (compounding for 2.5 percent 7 years) for investment funding. This



Company Name : Son Riss
Project : Electric Express Train, from Al Ain Station to Marj Matruh
Location : St. (448+600) to (449+100)
Type of sample : Soil Replacement (Embankment)
Delivery Date : 04 / 12 / 2022
Reporting Date : 09 / 12 / 2022
Reporting No. : 25
Sample No. : 15

Dear Gentleman,

Attached herewith the Soil Replacement delivered on 01/12/2022

Materials test

1. Sieve analysis according to ASTM D-422.
2. Material finer than sieve No. 200 according to ASTM D-1140.
3. Liquid limits and plasticity index of soil according to ASTM D-4318.
4. Soil classification according to Project Specs.
5. Proctor test according to ASTM D-1557.

Note: The sample was brought by the client to our laboratory and the laboratory is not responsible for the way it is taken.

Signature 

Company Name : Sun Rise
Project : Electric Express Train, from Al Ain Station to Musa Matrooh
Location : SL (448+600) : (449+100)
Type of sample : Soil Replacement (Embankment)
Delivery Date : 01 / 11 / 2022
Reporting Date : 09 / 11 / 2022
Reporting No. : 25
Sample No. : 15

Results of Sieve Analysis According to ASTM D-422

Sieve Size (mm)	Passing %
50	100
37.5	99.7
30	97.4
19	95.1
12.5	72.3
9.5	46.7
4.75	35.5
2.36	34.2
2.00	33.2
1.18	29.7
0.600	24.6
0.425	21.2
0.300	19.2
0.150	15.4

Signature

Company Name : Sun Rise
 Project : Electric Express Train, from Al Ain Sukhna to Marsa Matruh
 Location : St. (448+600) : (449+100)
 Type of sample : Soil Replacement (Embankment)
 Delivery Date : 01 / 12 / 2022
 Reporting Date : 09 / 12 / 2022
 Reporting No. : 25
 Sample No. : 15

Materials finer than 75 μ m (no.200) sieve
by washing ASTM D-1140.

Test	Results (%)
Percentage of material finer than Sieve Size 75 μ m (No.200)	9.5

Signature :



Company Name : Sam Rize
Project : Electric Express Train, from Al Ain Salsala to Marra Matrouh
Location : St. (448+600) (449+100)
Type of sample : Soil Replacement (Embankment)
Delivery Date : 01 / 12 / 2022
Reporting Date : 09 / 12 / 2022
Reporting No. : 25
Sample No. : 15

**Results of liquid limit and plasticity index
of soils according to ASTM D-4318**

Test	Results (%)
Liquid Limit	NP
Plastic Limit	NP
Plasticity Index	NP

Signature:

Company Name : Sun Rise
 Project : Electric Express Train, from Al Ain Sukhou to Marsa Matruh
 Location : St. (448+600) : (449+100)
 Type of sample : Soil Replacement (Embankment)
 Delivery Date : 01 / 12 / 2022
 Reporting Date : 09 / 12 / 2022
 Reporting No. : 25
 Sample No. : 15

Soil Classification According to Project Specs (Embankment)

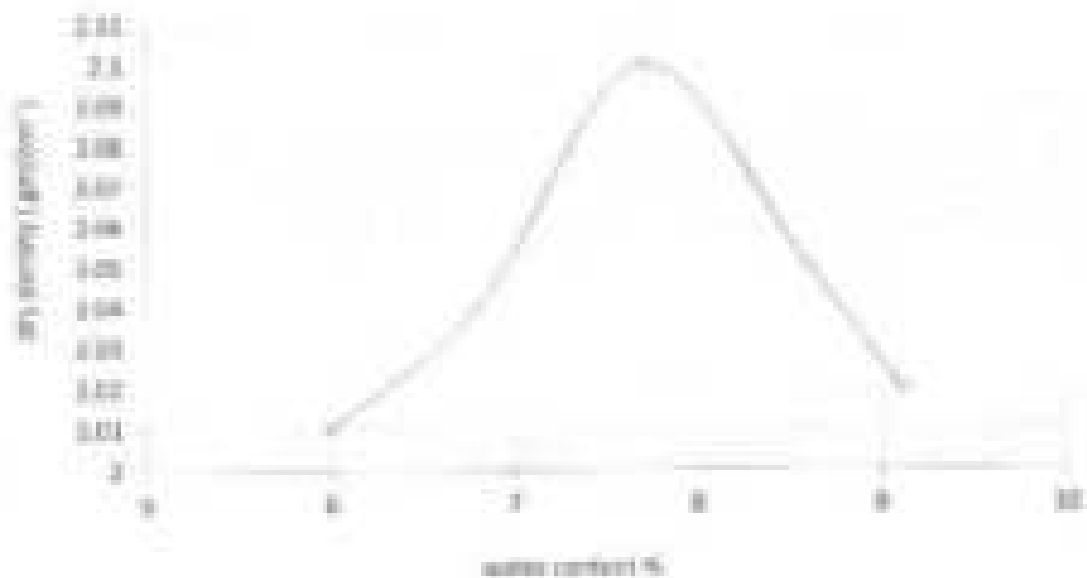
TEST	Results (%)	Limits according Projects Specs	
• Group Classification	(A-1-a)	(A-1-a)	(A-1-a)
2.00 mm (No. 10).	33.2	Max 50 %	—
0.425 mm (No. 40).	21.2	Max 20 %	Max 50 %
0.075 mm (No. 200).	9.6	Max 15 %	Max 13 %
Characteristics of fraction passing 0.425 mm (No. 40)			
Liquid Limit	NP	—	—
Plasticity Index	NP	Max 6 %	Max 6 %

The test results ~~DOES NOT~~ (Comply / Not Comply) with specifications limits

Signature /

Company Name	: San Hise
Project	: Electric Express Train, from Al Ain Sokhna to Marsa Matruh
Location	: St. (448+000) -(449+100)
Type of sample	: Soil Replacement (Embankment)
Delivery Date	: 01 / 12 / 2022
Reporting Date	: 09 / 12 / 2022
Reporting No.	: 25
Sample No.	: 15

Moisture – Density relation of soil
Test result (Modified proctor test)
ASTM D-1557



- | | |
|---|------------|
| α Max dry density (g/cm^3) | ± 2.10 |
| α Optimum moisture content % | ± 0.1 |

Signature _____



Company Name : Sun Rise
Project : Electric Express Train, from Al Ain Salaha to Marsa Matruh
Location : St. (448+600) : (449+100)
Type of sample : Soil Replacement (Embankment)
Delivery Date : 16 / 11 / 2022
Reporting Date : 24 / 11 / 2022
Reporting No. : 21
Sample No. : 11

Dear Gentleman,

Attached here with the Soil Replacement delivered on 16/11/2022

Materials test

1. Sieve analysis according to ASTM D-422.
2. Material finer than sieve No. 200 according to ASTM D-1140.
3. Liquid limits and plasticity index of soil according to ASTM D-4318.
4. Soil classification according to Project Specs.
5. Proctor test according to ASTM D-1557.

Note: The sample was brought by the client to our laboratory and the laboratory is not responsible for the way it is taken

Signature /



Company Name : Sea Rise
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matruh
 Location : St. (448+000) - (449+100)
 Type of sample : Soil Replacement (Embankment)
 Delivery Date : 16 / 11 / 2022
 Reporting Date : 24 / 11 / 2022
 Reporting No. : 21
 Sample No. : 11

Results of Sieve Analysis According to ASTM D-422

Sieve Size (mm)	Passing %
50	100
37.5	93.4
25	86.5
19	78.4
12.50	66.4
9.50	48.8
4.75	31.0
2.36	29.7
2.00	28.3
1.18	25.4
0.600	21.6
0.425	18.7
0.300	13.2
0.150	10.7

Signature

(Signature)
 Engineer /
 Laboratory /
 Date /

Materials finer than 75 μm (no. 200) sieve
by washing ASTM D-1140.

Test	Results (%)
Percentage of material finer than Sieve Size 75 μm (No. 200)	7.4



Company Name : Sun Rise
 Project : Electric Express Train, from Al Ain Salhna to Marsa Matruh
 Location : St. (440+600) : (449+100)
 Type of sample : Soil Replacement (Embankment)
 Delivery Date : 16 / 11 / 2022
 Reporting Date : 24 / 11 / 2022
 Reporting No. : 21
 Sample No. : 11

**Results of liquid limit and plasticity index
 of soils according to ASTM D-4318**

Test	Results (%)
Liquid Limit	NP
Plastic Limit	NP
Plasticity Index	NP

Signature



Company Name : Sam Hise
 Project : Electric Express Train, from Al Ain Sukhna to Marsa Matruh
 Location : St. (448+600) ±(449+100)
 Type of sample : Soil Replacement (Embankment)
 Delivery Date : 16 / 11 / 2022
 Reporting Date : 24 / 11 / 2022
 Reporting No. : 21
 Sample No. : 11

Soil Classification According to Project Specs (Embankment)

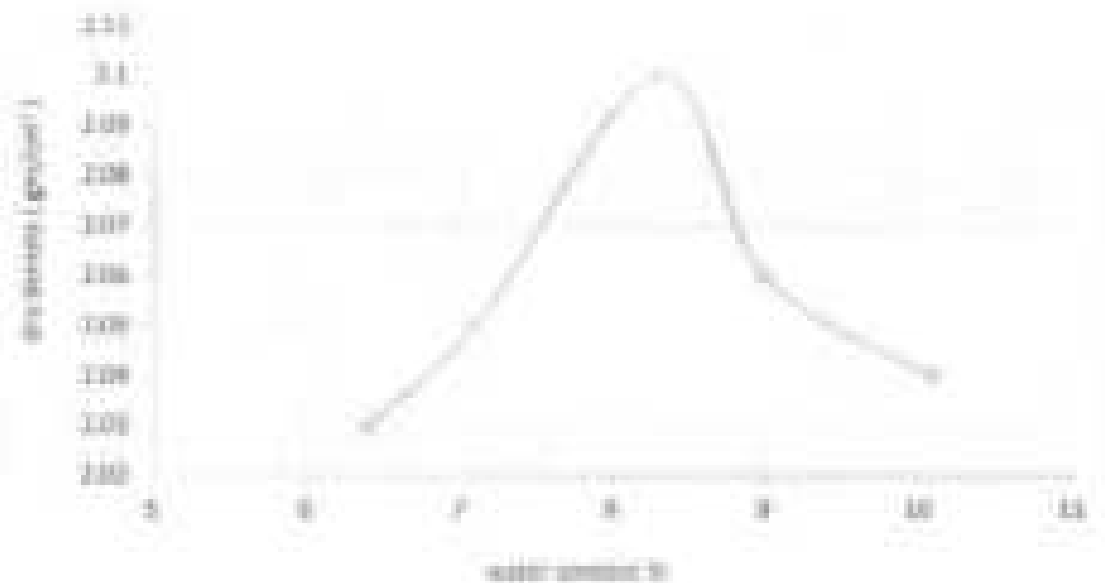
TEST	Results (%)	Limits according Projects Specs	
Group Classification	(A-1-a)	(A-1-a)	(A-1-b)
75 µm (No.10)	25.3	Max 50 %	—
0.425 mm (No. 40)	19.7	Max 30 %	Max 50 %
0.075 mm (No. 200)	7.4	Max 15 %	Max 15 %
Characteristics of fraction passing 0.425 mm (No.40)			
Liquid Limit	NP	—	—
Plasticity Index	NP	Max 6 %	Max 6 %

The test results are () Comply () Not Comply with specifications limits

Signature :

Company Name : Sun Rise
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matruh
 Location : St. (448+600) : (449+100)
 Type of sample : Soil Replacement (Embankment)
 Delivery Date : 16 / 11 / 2022
 Reporting Date : 24 / 11 / 2022
 Reporting No. : 21
 Sample No. : 11

Moisture – Density relation of soil
Test result (Modified proctor test)
ASTM D-1557



- Max dry density (gm/cm³) : 2.10
- Optimum moisture content % : 10.5

Signature

(Signature and Stamp)

Company : Sin Hoo Construction

Project : Electric Express Train, Al Ain Station to Marwa Mahmoud Priority Sector (S)
Almarai to Fala
Subject : Determining the information and strength characteristics of soil by the plate
loading test according specifications: DIN 18134:2012-04 and project requirements
Test Location : Station 448+825 to 448+900
Test Date : 02/04/2023
Report Date : 03/04/2023
Type of soil : —
Test level : prepared subgrade
Report No. : 100188

Dear Gentleman,

According to the above mentioned subject the test performed as follows:-

Apparatus

1. Loading plates consist of two plates with 600 mm and 300 mm diameter
2. The thickness of plates 20 mm
3. Dial gauges with accuracy 0.01 mm to measuring the settlement
4. Steel straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 700 Bar (Fischer)
7. Reaction loading system by roller compactor with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clean the ground on test area to the required level with undisturbed soil
2. install loading plates 600 mm and 300 mm diameter, hydraulic jack and 3 dial gauges
3. Prior to starting the test applied preloading about 30 seconds.
4. The strain gauge and the dial gauge shall be set to zero
5. For a 600 mm loading plate, the test values are 2.5 kg/cm^2
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum vertical stress is reached.
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be released in 3 stages, to 50 %, 25 %, and approximately 0 % of the maximum load.
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached).
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min
11. Remove the loads



Report

1. Evaluation and representation of results
2. Load Settlement curve
3. The test report content the following:
 - Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of Backfill material below the plate - Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding vertical stress - Loading-settlement curve
 - Description of the soil condition below the plate after testing

Report

Type of soil: prepared subgrade.

- Job requirement: $E_{vd} > 900 \text{ Kg/cm}^2$ (90 MPa).

Test Data	Remarks
- Type of loading material below the plate	Natural Soil
- Weather condition	Partly Sunny
- Plate Diameter (mm)	600
- Date of measurement	02/04/2023
- Unusual observation made during test	NO
- Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results

Test No.	Load (Kg)	Settlement (mm)	Pressure (MPa)	Modulus of Subgrade (MPa)	Modulus of Subgrade (Kg/cm ²)
1	448-025	448-050	1218	1731	1.4
2	448-050	448-075	1652	2500	1.6
3	448-075	448-000	1188	2368	2.2

Signature: 

Company Name : Sun Hise Construction
Project : Multiple Supermarket, from Al-Haditha to Maysan - Maysan Province - Iraq
Test Date : 05/04/2023
report date : 05/04/2023
Location : Station 445+000 to 446+000
Test No. : 01

Retrospective Static Plate Load Tests of Soils CEN 18134

Data sheet

Loading Stage (I)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.42	19.81	0.13	19.58	0.42	19.81	0.32	0.28
2	0.75	19.69	0.38	19.71	0.75	19.43	0.50	0.51
3	1.05	19.45	0.55	19.69	0.98	19.21	0.70	0.75
4	1.37	19.29	0.71	19.67	1.13	19.08	0.87	1.00
5	1.70	19.08	0.82	19.71	1.25	18.99	1.00	1.14
6	2.00	18.97	0.93	19.69	1.40	18.82	1.10	1.17

Incremental Stage (I)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	1.00	19.80	0.83	19.80	1.00	19.80	1.10	1.17
2	1.30	19.11	0.85	19.88	1.00	19.54	1.00	1.00
3	1.625	19.38	0.84	19.75	1.25	19.59	1.00	1.20
4	2.00	19.42	0.30	19.12	0.80	19.40	0.60	0.80

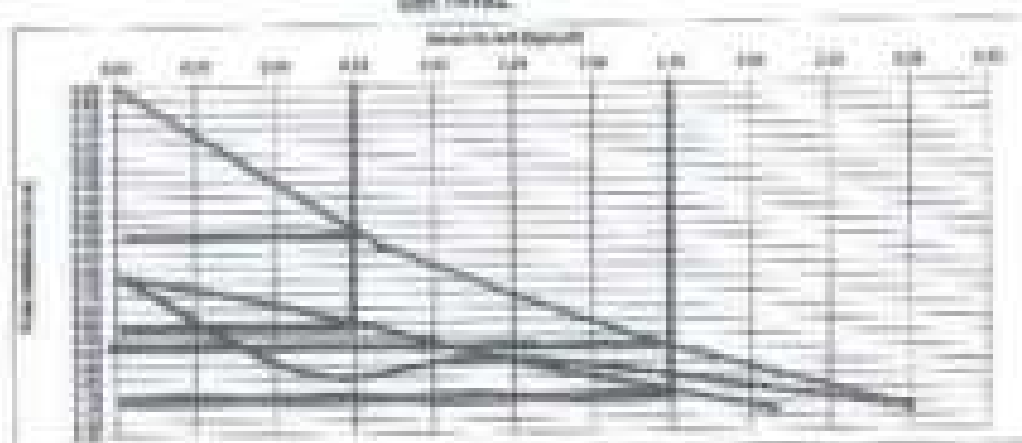
Loading Stage (II)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.42	19.81	0.88	19.58	0.88	19.20	0.77	0.77
1	0.80	19.22	0.75	19.04	0.85	19.12	0.88	0.87
2	1.05	19.14	0.86	18.85	1.10	19.05	0.97	0.89
3	1.37	19.08	0.87	18.75	1.25	18.95	1.05	1.08
4	1.70	19.00	1.00	19.00	1.40	18.87	1.13	1.18



100

100



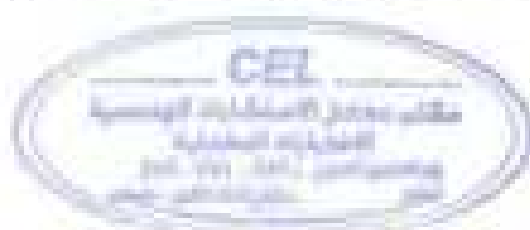
Condition (T)	W	L	S	U	D	R	B
Weighted	W	1.000.000	2.000.000	3.000.000	4.000.000	5.000.000	6.000.000
Normal (Unweighted)	0.143	0.286	0.429	0.571	0.714	0.857	1.000
Normalized Weight	0.143	0.286	0.429	0.571	0.714	0.857	1.000

Subsistence (€)	1	2	3	4
Change (kg)	7990	10100	9700	91
Volume (kg/m ³)	1.050	1.100	1.000	0.01
Subsistence (m ³)	11.17	9.180	1.00	0.00

Category	Q1	Q2	Q3	Q4	Q5	Q6
Revenue (Millions)	10.2	11.5	12.8	14.1	15.3	16.7
Operating Profit	2.5	3.1	3.8	4.5	5.2	6.0
Net Income	1.8	2.2	2.7	3.2	3.7	4.3
EPS	0.45	0.55	0.68	0.80	0.92	1.05
Dividend	0.10	0.10	0.10	0.10	0.10	0.10
Payout Ratio	22.2%	18.2%	14.9%	12.5%	10.8%	9.4%
Free Cash Flow	3.5	4.2	5.0	5.8	6.5	7.3
Capex	1.2	1.5	1.8	2.1	2.4	2.7
Debt	15.0	14.5	14.0	13.5	13.0	12.5
Equity	25.0	26.5	28.0	29.5	31.0	32.5
Market Value	30.0	32.0	34.0	36.0	38.0	40.0
EV/EBITDA	12.0	11.5	11.0	10.5	10.0	9.5
EV/FCF	8.6	8.1	7.6	7.1	6.6	6.1
Debt/Equity	0.60	0.55	0.50	0.46	0.42	0.38
Interest Coverage	3.5	4.0	4.5	5.0	5.5	6.0
ROIC	15.0%	16.0%	17.0%	18.0%	19.0%	20.0%
WACC	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
Delta WACC	-0.5%	-0.5%	-0.5%	-0.5%	-0.5%	-0.5%
Delta Beta	0.05	0.05	0.05	0.05	0.05	0.05
Delta Leverage	0.05	0.05	0.05	0.05	0.05	0.05
Delta Tax Rate	0.00	0.00	0.00	0.00	0.00	0.00
Delta Depreciation	0.00	0.00	0.00	0.00	0.00	0.00
Delta R&D	0.00	0.00	0.00	0.00	0.00	0.00
Delta Working Capital	0.00	0.00	0.00	0.00	0.00	0.00
Delta Inventory	0.00	0.00	0.00	0.00	0.00	0.00
Delta Accounts Payable	0.00	0.00	0.00	0.00	0.00	0.00
Delta Accounts Receivable	0.00	0.00	0.00	0.00	0.00	0.00
Delta Prepaid Expenses	0.00	0.00	0.00	0.00	0.00	0.00
Delta Deferred Revenue	0.00	0.00	0.00	0.00	0.00	0.00
Delta Other	0.00	0.00	0.00	0.00	0.00	0.00
Delta Total	0.00	0.00	0.00	0.00	0.00	0.00
Delta NPV	0.00	0.00	0.00	0.00	0.00	0.00
Delta IRR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Delta Payback	0.00	0.00	0.00	0.00	0.00	0.00
Delta Profitability Index	1.00	1.00	1.00	1.00	1.00	1.00
Delta NPV/IRR	0.00	0.00	0.00	0.00	0.00	0.00
Delta Payback/Profitability Index	0.00	0.00	0.00	0.00	0.00	0.00
Delta NPV/IRR/Payback/Profitability Index	0.00	0.00	0.00	0.00	0.00	0.00

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Project Name : San Vito Construction
 Project : Marine Access Road, from 40.00 meters to 200m (Marine Access Road) - (Marine Access Road)
 Test Date : 02/04/2023
 Report Date : 02/04/2023
 Location : Section 400/200 to 400/205
 Test No. : 100

Noncompressive Study Plate Load Tests of Soils CEB 10124

Data sheet

Loading Stage (I)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.42	15.00	0.15	15.00	0.20	15.00	0.19	0.18
2	0.83	15.00	0.24	15.00	0.30	15.00	0.30	0.27
3	1.24	15.00	0.37	15.00	0.77	15.00	0.30	0.31
4	1.67	15.00	0.40	15.00	0.80	15.00	0.47	0.41
5	2.08	15.00	0.40	15.00	1.00	15.00	0.54	0.48
6	2.50	15.00	0.63	15.00	1.10	15.00	0.60	0.61

Unloading Stage (I)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	1.23	15.00	0.63	15.00	1.10	15.00	0.50	0.61
2	0.75	15.00	0.58	15.00	1.13	15.00	0.58	0.79
3	0.25	15.00	0.50	15.00	1.00	15.00	0.51	0.68
4	0.01	15.00	0.40	15.00	0.80	15.00	0.50	0.47

Loading Stage (II)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.42	15.00	0.40	15.00	0.70	15.00	0.40	0.50
1	0.83	15.00	0.50	15.00	0.87	15.00	0.48	0.60
2	1.25	15.00	0.50	15.00	0.80	15.00	0.53	0.60
3	1.67	15.00	0.60	15.00	1.10	15.00	0.60	0.77
4	2.08	15.00	0.70	15.00	1.10	15.00	0.68	0.80



Company Name

Project

Location

Design Date

Revision

Scale

1. Basic Data Description

1.1. Design Span: 10m, Area of the Section: 1000 cm², Design Load: 100 kN/m - Moment: 100 kNm

1.2. Material

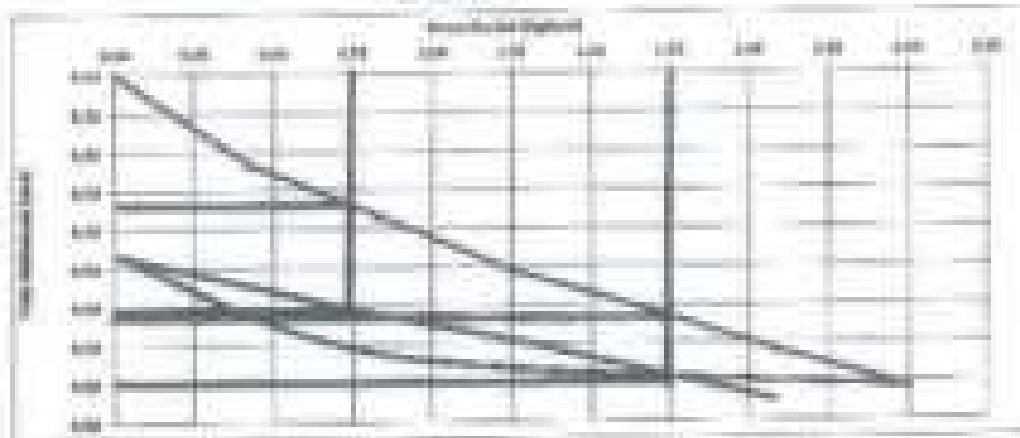
1.3. Section

1.4. Design and/or as required

1.5

2. Representative Results from Load Tests of Beams

Table 1.1



Loading (kN)	0	1	2	3	4	5	6
Deflection (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00
Stress (MPa)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Strain (mm/mm)	0.00	0.00	0.01	0.02	0.03	0.04	0.05
Load (kN)	0	10	20	30	40	50	60
Deflection (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00

Loading (kN)	0	1	2	3	4	5	6
Deflection (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00
Stress (MPa)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Strain (mm/mm)	0.00	0.00	0.01	0.02	0.03	0.04	0.05

Loading (kN)	0	1	2	3	4	5	6
Deflection (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00
Stress (MPa)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Strain (mm/mm)	0.00	0.00	0.01	0.02	0.03	0.04	0.05
Load (kN)	0	10	20	30	40	50	60
Deflection (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00

Table 1.1 - 1.1

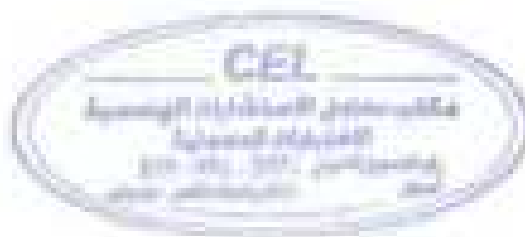
0.0 - Deflection of the beam using the loading steps.

0.1 - Deflection of the beam using the loading steps.

0.2 - Deflection of the beam.

0.3 - The difference between 0.1 and 0.2 from the maximum loading point (kN).

0.4 - Difference in deflection corresponding to 0.1 and 0.2 from the maximum loading point.



Charles H. Johnson

Learning	Stress	Dist 1	Difference	Dist 2	Difference	Average
	Signal		mm		mm	
10	0.02	10.00	0.79	10.29	0.79	0.00
9	0.03	10.31	0.79	10.30	0.81	0.02
8	1.00	10.34	0.80	10.11	0.80	1.02
7	1.07	10.09	0.82	10.09	0.86	1.10
6	0.00	10.00	1.00	10.00	1.00	1.00



Company Name:

Fullname:

Trade Name:

Website URL:

Location:

Phone No.:

Page Size Description:

Specify Page(s) Fully (and to the bottom of Page) Always Printy (Scale 20) - Always to Full

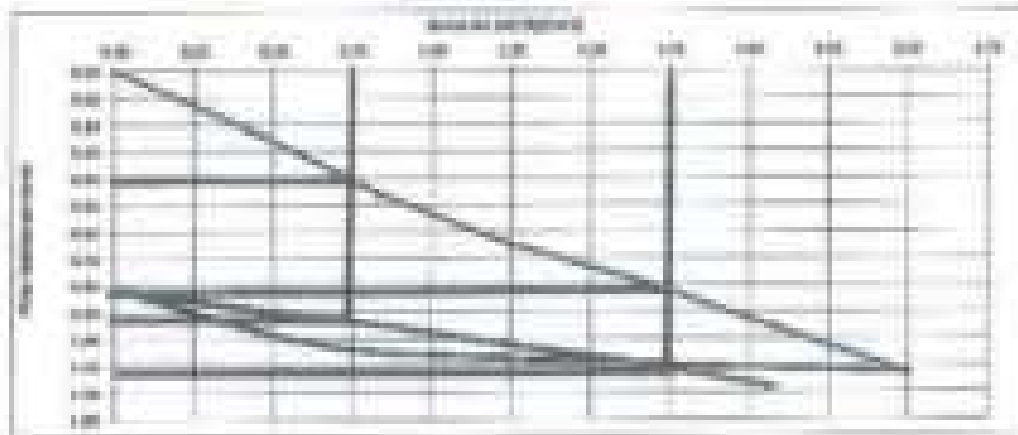
Orientation:

Language:

Station number to include:

Page:

Compressive Stress-Strain Load Form of Soil DSI 10104



Loading (T)	0	1	2	3	4	5	6
Stress (kN/m²)	0	0.1000	0.2000	0.3000	0.4000	0.5000	0.6000
Strain (%)	0.00	0.10	0.20	0.30	0.40	0.50	0.60
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q (kN/m²) = 0.00							0.00
Q (kN/m²) = 0.0000							0.00

Unloading (T)	0	1	2	3	4
Stress (kN/m²)	0.6000	0.5000	0.4000	0.3000	0.2000
Strain (%)	0.60	0.50	0.40	0.30	0.20
Settlement (mm)	0.00	0.00	0.00	0.00	0.00

Loading (T)	0	1	2	3	4	5	6
Stress (kN/m²)	0	0.1000	0.2000	0.3000	0.4000	0.5000	0.6000
Strain (%)	0.00	0.10	0.20	0.30	0.40	0.50	0.60
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q (kN/m²) = 0.00							0.00
Q (kN/m²) = 0.0000							0.00

Settlement = 0.00

DSI = Results of settlement during the loading stage.

DSU = Results of settlement during the unloading stage.

DS = (DSI - DSU) / 2

DS = The settlement increase to 1 and 2 from the results of testing (DSI and DSU).

DS = Difference in settlement corresponding to 1 and 2 and 3 from the results of testing (DSI).



Company Name : Sun Rise
Project : Electric Express Train, from Al Ain Sokhna to Marina Matrouh
Type of sample : Sub-Ballast
Location : St. (448+600) : (449+600)
Delivery Date : 26/03/2023
Reporting Date : 03/04/2023
Reporting No. : 60
Sample No. : 02

Dear Gentleman,

Attached here with the Sub-Ballast delivered on 26/03/2023

Materials test

1. Sieve analysis according to ASTM D-422.
2. Material finer than sieve No. 200 according ASTM D-1140.
3. Liquid limits and plasticity index of soil according to ASTM D-4318.
4. Proctor test according to ASTM D-1557.
5. Specific Gravity & Absorption according to ASTM C-127 & D 6473.
6. CBR according to ASTM D-1583
7. Los Angeles according to ASTM C-131.

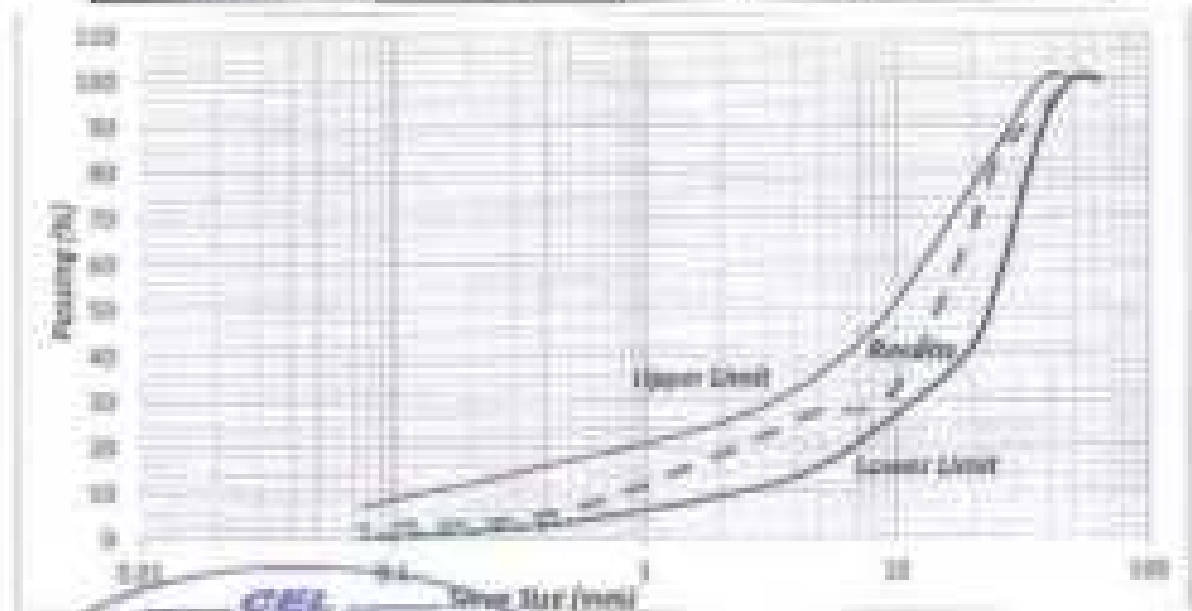
Note: The sample was brought by the client to our laboratory and the laboratory is not responsible for the way it is taken


Signature / 

Company Name : Sun Rise
Project : Electric Express Train, from Al Ain Sukhna to Marsa Matruh
Type of sample : Sub-Ballast
Location : St. (448+600) : (449+600)
Delivery Date : 26/03/2023
Reporting Date : 03/04/2023
Reporting No. : 60
Sample No. : 02

Results of sieve analysis according to ASTM D-422

Sieve Size (mm)	Passing %	Job specification limits ASTM D-422	
		Min.	Max.
63.5	100	100	100
50	100	100	100
38	91.6	90	100
25	82.3	55	85
19	64.6	40	75
12.5	15.6	-	-
9.5	21.2	20	50
4.75	13.2	12	35
2.00	18.1	8	22
0.425	3.4	3	10
0.075	3.3	4	7



The test results are ☒ Comply - ☐ Not Comply with specifications limits.

Signature: 

Company Name : Saw Risa
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matruh
Type of sample : Sub-Ballast
Location : St. (448+600) : (449+600)
Delivery Date : 26/03/2013
Reporting Date : 03/04/2013
Reporting No. : 60
Sample No. : 01

Materials finer than 75 μ m (no.200) sieve
by washing ASTM D-1140

Test	Results (%)
Percentage of material finer than Sieve Size 75 μ M (No.200)	15

Signature : 
Engineer : 
Date : 03/04/2013

Company Name : Sun Rise
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matruh
 Type of sample : Sub-Ballast
 Location : St. (448+600) : (449+600)
 Delivery Date : 26/03/2023
 Reporting Date : 03/04/2023
 Reporting No. : 60
 Sample No. : 02

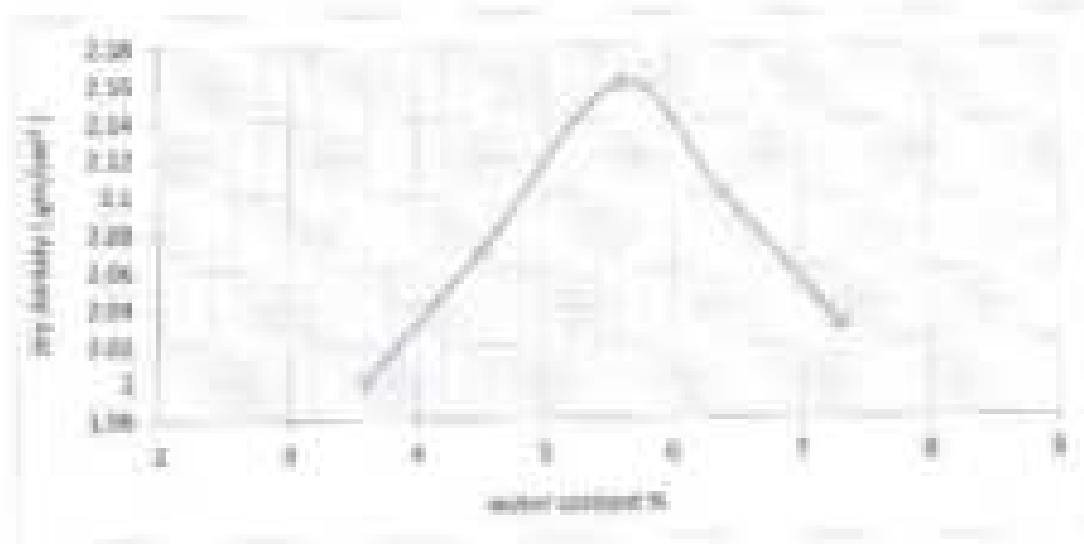
**Results of liquid limit and plasticity index
 of soils according to ASTM D-4318**

Test	Results (%)
Liquid Limit	NP
Plastic Limit	NP
Plasticity Index	NP

Signature / 
 Engineer Mohamed Elmaghrabi
 (Seal of CEL Consulting Engineering Bureau & Laboratories)

Company Name : Sun Rise
Project : Electric Express Train, from Al Ain Sukhna to Marina Matruh
Type of sample : Sub-Ballast
Location : St. (448+600) : (449+600)
Delivery Date : 16/03/2023
Reporting Date : 03/04/2023
Reporting No. : 60
Sample No. : 02

Moisture - Density relation of soil
Test result (Modified proctor test)
ASTM D-1557



- Max dry density (g/cm³) : 2.16
- Optimum moisture content % : 5.6

Signature: 

Company Name : Sun Rise
Project : Electric Express Train, from Al Ain Sukhna to Marsa Matruh
Type of sample : Sub-Ballast
Location : St. (440+600) : (449+600)
Delivery Date : 26/03/2023
Reporting Date : 03/04/2023
Reporting No. : 60
Sample No. : 02

Results of Specific Gravity and Absorption
of Course Aggregate
ASTM C127 & D 6473

Test	Results
Bulk Specific Gravity (OD)	1.51
Bulk Specific Gravity (SSD)	1.53
Apparent Specific Gravity	1.61
Absorption %	4.2

Note:

- (OD) Refer to Oven Dry.
- (SSD) Refer to Saturated Surface Dry.


Signature

Company Name : San Hise
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matruh
 Type of sample : Sub-Ballast
 Location : Sta. (448+600) : (449+600)
 Delivery Date : 26/03/2023
 Reporting Date : 03/04/2023
 Reporting No. : 60
 Sample No. : 02

Test Results of California Bearing Ratio on Base Materials ASTM D 1553

penetration		stress on piston (Mpa)
mm	Inch	
0.64	0.025	4.10
1.27	0.050	4.64
1.91	0.075	5.20
2.54	0.100	5.76
3.18	0.125	6.36
3.81	0.150	6.82
4.45	0.175	7.38
5.08	0.200	7.94
5.71	0.225	8.51
6.35	0.250	9.07

CBR Result	Stress (Mpa)		CBR %
41.81 inch (2.54 mm) penetration	St. Value	Sample results	83.6
	6.00	5.76	

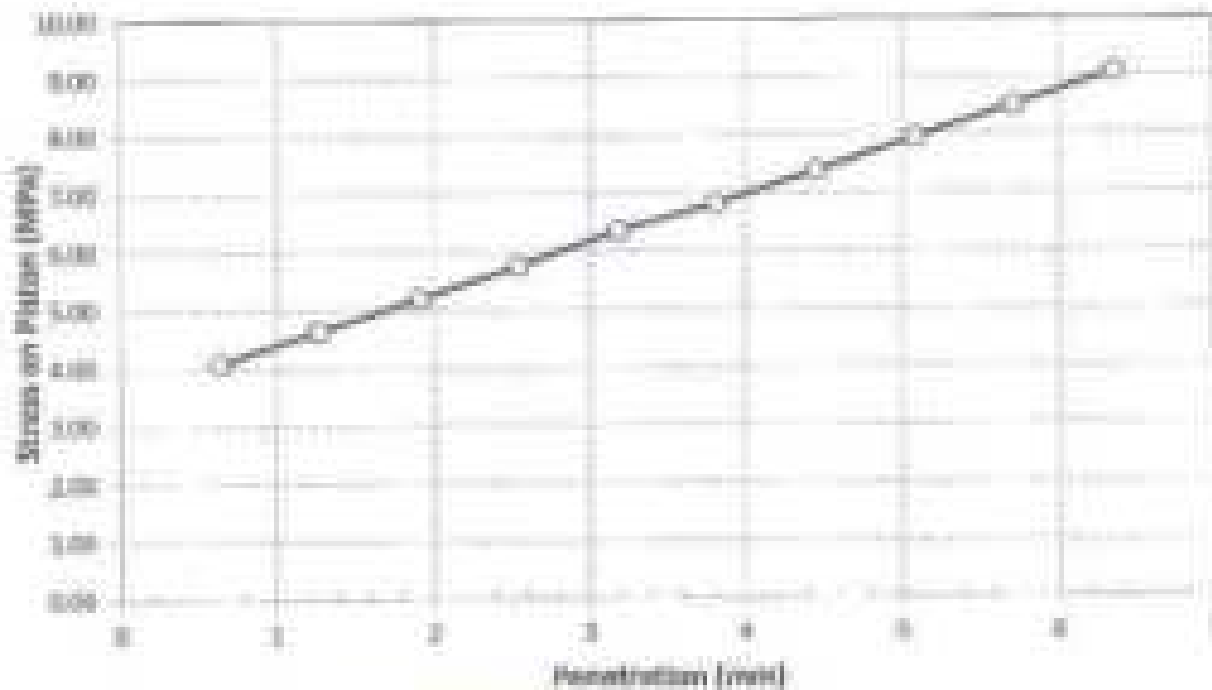
Notes:

- 1- Accepted graph based on stress on resistance versus penetration magnitude
- 2- The sample was compacted to 2% density of 2.16 (gr / cm³)
- 3- at 5.6 % moisture content
- 4- Sample prepared by wet rodding

Signature _____

Company Name : San Rize
Project : Electric Express Train, from Al Ain Sukhna to Maria Matruh
Type of sample : Sub-Ballast
Location : St. (448+600) : (449+600)
Delivery Date : 26/03/2023
Reporting Date : 03/04/2023
Reporting No. : 60
Sample No. : 02

Load Penetration Curve of CBR Test ASTM D-1883



Signature

(Signature)

Result

1. Evaluation and representation of results
2. Load settlement curve
3. The test report must be showing:-
 - Location of test site - (Dimension of testing plate)
 - Measuring device used - Type of test
 - Type of footing material below the plate -Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading settlement curve
 - Description of the test condition before the plate after testing

Result

Type of soil: Sub ballast.

- Job requirement: $\sigma_{r2} > 1200 \text{ kg/cm}^2$ (120 MPa) En20En13.2.2 .

Item	Description
- Type of bedding material below the plate	Natural Soil
- Weather condition	Sunny
- Plate Diameter (mm)	400
- Date of measurement	2022/02/15
- Unusual observation made during test	NO
- Description of the soil condition before the plate after testing	No information

Evaluation and representation of results

Test No.	Station		First Cycle $\sigma_{r1} (\text{kg/cm}^2)$	Second Cycle $\sigma_{r2} (\text{kg/cm}^2)$	Settlement Ratio
	From	To			
1	440+000	440+025	1067	1080	1.1
2	440+075	440+000	1310	1352	1.3
3	440+000	440+025	1447	1506	1.3
4	440+000	440+000	1287	1715	1.3
5	440+000	440+075	1047	1420	3.3
6	440+075	440+000	1192	1487	1.3
7	440+000	440+025	1074	1466	3.3
8	440+025	440+000	1466	1272	3.3
9	440+050	440+075	1028	1393	1.3
10	440+075	440+100	1486	1462	1.3





Consulting Engineering Bureau & Laboratories
مكتب استشارات الهندسة والبحوث

Company Name : Barn Plaza Construction
Project : Elmasry Bridge (Taha, Axis 4), 4th Station to Elmasry Bridge (Elmasry Bridge) - Elmasry to Elmasry
Test Code : EN10134
Report Date : 2023/02/23
Location : Elmasry, 4th Station to Elmasry
Test No. : 01

Standardized Static Plate Load Tests of Soils
EN10134

Data sheet

Load Test Stage (1)

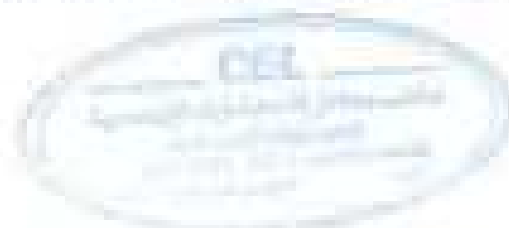
Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	Hydrod.		mm		mm		mm	
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.00	0.10	10.00	0.10	10.00	0.10	0.10
2	0.80	10.00	0.20	10.00	0.20	10.00	0.20	0.20
3	1.20	10.00	0.30	10.00	0.30	10.00	0.30	0.30
4	1.60	10.00	0.40	10.00	0.40	10.00	0.40	0.40
5	2.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50
6	2.40	10.00	0.60	10.00	0.60	10.00	0.60	0.60

Unloading Stage (1)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	Hydrod.		mm		mm		mm	
1	0.40	10.00	0.10	10.00	0.10	10.00	0.10	0.10
2	0.80	10.00	0.20	10.00	0.20	10.00	0.20	0.20
3	0.80	10.00	0.10	10.00	0.10	10.00	0.10	0.10
4	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00

Load Test Stage (2)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	Hydrod.		mm		mm		mm	
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.00	0.10	10.00	0.10	10.00	0.10	0.10
2	0.80	10.00	0.20	10.00	0.20	10.00	0.20	0.20
3	1.20	10.00	0.30	10.00	0.30	10.00	0.30	0.30
4	1.60	10.00	0.40	10.00	0.40	10.00	0.40	0.40



100





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مكتب استشارات الهندسة ك.ل.مختبرات

Company Name : Sam Alina Construction
 Project : Shams Elmasara Tower, from 10 Jari (Garden to Shams) - Shams Elmasara Tower (B) - Shams Elmasara
 Test Date : 2023/02/23
 Report Date : 2023/02/23
 Location : Shams Elmasara to 10 Jari
 Test No. : 88

Nondestructive Static Plate Load Tests of Soils

EN 15126

Data sheet

Loading Stage (1)

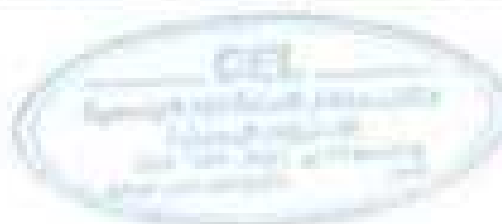
Loading	Stress kN/m ²	Shot 1	Settlement		Shot 2	Settlement		Average
			mm	Shot 1		mm	Shot 2	
1	5.70	19.40	8.39	19.20	8.80	19.20	8.90	8.60
1	5.70	19.40	8.15	19.20	8.07	19.40	8.99	8.12
2	8.80	19.41	8.98	19.40	8.00	19.40	8.38	8.58
3	1.25	19.71	0.29	19.30	0.79	19.40	9.68	8.98
4	1.87	19.68	0.34	19.20	0.47	19.40	0.88	0.88
5	2.25	19.10	0.85	18.80	0.75	19.70	0.79	0.75
6	3.35	19.10	0.85	19.70	1.20	19.10	9.82	1.17

Unloading Stage (1)

Loading	Stress kN/m ²	Shot 1	Settlement		Shot 2	Settlement		Average
			mm	Shot 2		mm	Shot 2	
1	2.50	19.40	8.01	19.70	1.50	19.40	8.00	8.37
2	1.25	19.50	8.45	19.47	1.25	19.47	8.88	8.70
3	0.00	19.67	8.00	19.40	8.88	19.70	8.00	8.00
4	0.01	19.64	8.18	19.40	8.88	19.47	8.78	8.20

Loading Stage (2)

Loading	Stress kN/m ²	Shot 1	Settlement		Shot 2	Settlement		Average
			mm	Shot 2		mm	Shot 2	
8	0.42	19.70	9.09	19.70	8.88	19.70	8.88	8.98
1	0.83	19.60	8.70	19.10	8.88	19.70	8.87	8.98
2	1.25	19.50	9.09	19.00	8.88	19.70	9.09	9.71
3	1.87	19.80	9.80	19.00	1.58	19.40	8.78	9.80
4	2.25	19.70	11.78	19.00	1.58	19.10	8.80	11.01





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Model variables (%)	I	II	III	IV
Intercept	100.00	100.00	100.00	99.99
Age	10.20	1.42	0.0000	0.00
Gender	10.49	0.37	0.00	0.00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006

001 = Number of observations during the training stage
 002 = Number of observations during the testing stage
 003 = Mean accuracy score
 004 = True Accuracy (includes all types of errors)
 005 = Difference between the maximum and the minimum accuracy score
 006 = Difference between the maximum and the minimum accuracy score



Consulting Engineering Bureau & Laboratories
مكتب استشارات الهندسية

Company Name : Star Rise Construction
Project : Sheikh Zayed Road, from Al Bar South to Doha - Sheikh Zayed Road - Doha to Fala
Test Date : 05/04/2017
Report No : 05/04/2017
Location : Station 0+000 to 0+050
Test No : 01

Respective Static Plate Load Tests of Soil C0118104

Unit: mm

Loading Stage (1)

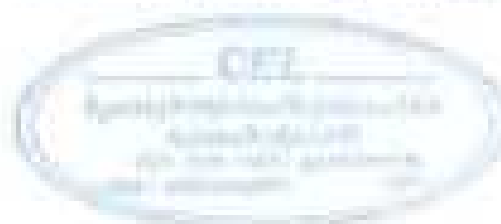
Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	0.35	10.00	0.30	10.00	0.30	10.00	0.30	0.30
2	0.40	10.00	0.35	10.00	0.35	10.00	0.35	0.35
3	0.45	10.00	0.40	10.00	0.40	10.00	0.40	0.40
4	0.50	10.00	0.45	10.00	0.45	10.00	0.45	0.45
5	0.55	10.00	0.50	10.00	0.50	10.00	0.50	0.50
6	0.60	10.00	0.55	10.00	0.55	10.00	0.55	0.55
7	0.65	10.00	0.60	10.00	0.60	10.00	0.60	0.60
8	0.70	10.00	0.65	10.00	0.65	10.00	0.65	0.65

Unloading Stage (1)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	0.35	10.00	0.30	10.00	0.30	10.00	0.30	0.30
2	0.40	10.00	0.35	10.00	0.35	10.00	0.35	0.35
3	0.45	10.00	0.40	10.00	0.40	10.00	0.40	0.40
4	0.50	10.00	0.45	10.00	0.45	10.00	0.45	0.45

Loading Stage (2)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	0.40	10.00	0.40	10.00	0.40	10.00	0.40	0.40
2	0.45	10.00	0.45	10.00	0.45	10.00	0.45	0.45
3	0.50	10.00	0.50	10.00	0.50	10.00	0.50	0.50
4	0.55	10.00	0.55	10.00	0.55	10.00	0.55	0.55
5	0.60	10.00	0.60	10.00	0.60	10.00	0.60	0.60





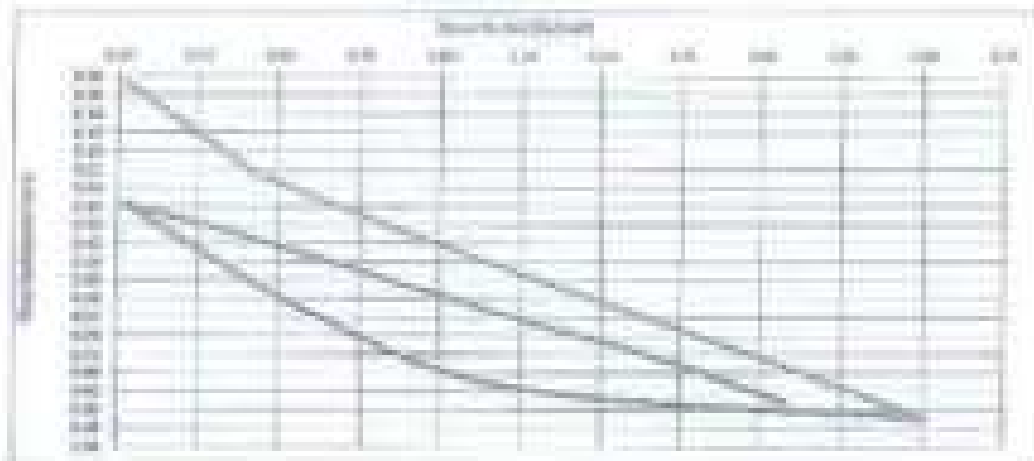
Consulting Engineering Bureau & Laboratories

بureau of Consulting Engineering & Laboratories

Company Name:
Project:
Task Name:
Report Date:
Location:
Task No.:

Task Name: Foundation
Project: Expansion of the existing building to provide additional parking spaces (B) - Expansion of the
Task No.: 00000000
Report Date: 00/00/00
Location: 00000000000000000000
Task No.: 00

Three-dimensional Stress-Strain Load-Deformation of Soils (1990-1992)



Loading (kN)	1	2	3	4	5	6	7
Vertical Stress	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Normal Stress	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vertical Stress	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Loading (kN)	1	2	3	4
Vertical Stress	0.00	0.00	0.00	0.00
Normal Stress	0.00	0.00	0.00	0.00
Vertical Stress	0.00	0.00	0.00	0.00

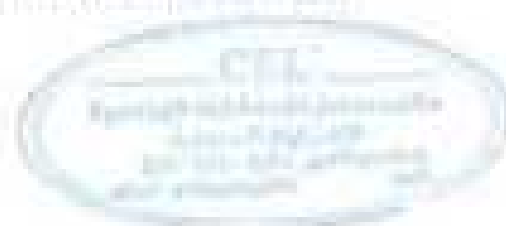
Vertical Stress: 0.00 kN/m²
Normal Stress: 0.00 kN/m²
Vertical Stress: 0.00 kN/m²
Normal Stress: 0.00 kN/m²

Vertical Stress: 0.00 kN/m²

Loading (kN)	1	2	3	4	5	6	7
Vertical Stress	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Normal Stress	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vertical Stress	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vertical Stress: 0.00 kN/m²
Normal Stress: 0.00 kN/m²
Vertical Stress: 0.00 kN/m²
Normal Stress: 0.00 kN/m²

Vertical Stress: 0.00 kN/m²
Normal Stress: 0.00 kN/m²
Vertical Stress: 0.00 kN/m²
Normal Stress: 0.00 kN/m²





Consulting Engineering Bureau & Laboratories

مكتب استشارات الهندسية

Category/Section : Dam Mass Construction
Project : Electric Dam, Feby, Area 40 Km between Feby - Damak (Feby Sector B) - Feby in Feby
Test Date : 2020/05/23
Report Date : 2020/05/23
Location : Station 444+000 to 444+000
Test No. : 04

Macroscopic Static Plate Load Tests of Soils DM 18734

Data sheet

Loading Stage (1)

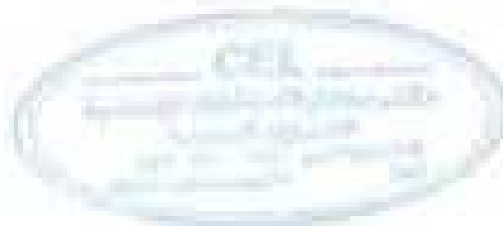
Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	Hydral		mm		mm		mm	
1	0.00	19.29	0.00	19.49	0.00	19.69	0.00	0.00
2	0.40	19.41	0.11	19.61	0.19	19.81	0.19	0.17
3	0.80	19.51	0.22	19.76	0.36	19.91	0.31	0.29
4	1.20	19.56	0.46	19.86	0.64	19.91	0.59	0.43
5	1.60	19.56	0.81	19.90	0.93	19.96	0.74	0.80
6	2.00	19.56	0.93	19.96	0.94	19.96	0.98	0.99
7	2.40	19.56	0.94	19.96	0.99	19.96	0.91	0.91

Unloading Stage (1)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	Hydral		mm		mm		mm	
1	0.00	19.49	0.79	19.49	0.79	19.11	0.81	0.71
2	0.40	19.49	0.71	19.09	0.81	19.19	0.71	0.80
3	0.80	19.49	0.86	19.19	0.86	19.19	0.72	0.74
4	0.01	19.49	0.58	19.49	0.50	19.19	0.21	0.47

Loading Stage (2)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	Hydral		mm		mm		mm	
1	0.40	19.21	0.40	19.21	0.70	19.21	0.40	0.50
2	0.80	19.11	0.55	19.26	0.74	19.40	0.50	0.63
3	1.20	19.11	0.83	19.16	0.81	19.40	0.88	0.71
4	1.60	19.28	0.72	19.11	0.86	19.46	0.89	0.81
5	2.00	19.49	0.81	19.40	0.88	19.40	0.87	0.88





Consulting Engineering Bureau & Laboratories

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www.cel-saudi.com

Reinforcement Details Data Log for Tests of Beams
Date: 10/10/2010



Load (kN)	1	2	3	4	5	6	7
Applied	0	100.00	200.00	300.00	400.00	500.00	600.00
Beam Deflection	0.00	0.00	0.00	1.00	1.00	2.00	3.00
Reinforcement Data	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Load (kN)	1	2	3	4
Applied	0.00	0.00	1.00	0.00
Beam Deflection	0.00	1.00	2.00	3.00
Reinforcement Data	0.00	0.00	0.00	0.00

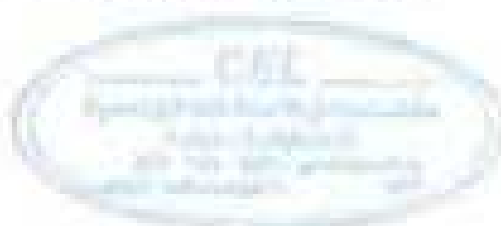
Load (kN)	0.00	100.00	200.00	300.00	400.00	500.00	600.00
Beam Deflection	0.00	0.00	0.00	1.00	1.00	2.00	3.00

Load (kN)	1	2	3	4	5	6	7
Applied	0	100.00	200.00	300.00	400.00	500.00	600.00
Beam Deflection	0.00	0.00	0.00	1.00	1.00	2.00	3.00
Reinforcement Data	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Applied = 1.0

Load (kN)	0.00	100.00	200.00	300.00	400.00	500.00	600.00
Beam Deflection	0.00	0.00	0.00	1.00	1.00	2.00	3.00

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Consulting Engineering Bureau & Laboratories

مكتب استشارات الهندسة والاعمال المخبرية

Company Name : Jeddah Water Corporation
Project : Monthly Hygiene Study from 10 Mar Eastern to Marat - Jeddah (Monthly Survey (B) - Jeddah to Marat
Test Date : 09/03/2023
Report Date : 09/04/2023
Location : Station 100000 to 100010
Test No. : 88

Recommended (Marat Plate) Last Tests of July 09/10/22

Data sheet

Loading Stage (1)

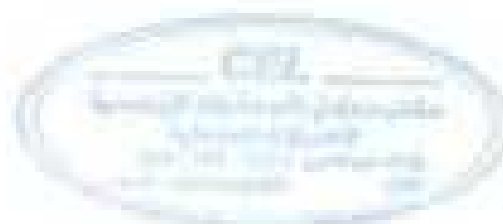
Loading	Stress	Dist 1	Settlement		Dist 2	Settlement		Dist 3	Settlement		Average
	Applied		mm			mm			mm		
1	1.35	10.00	7.80	10.00	6.10	10.00	5.30	10.00	5.30	10.00	0.05
1	0.45	10.00	0.30	10.00	0.30	10.00	0.30	10.00	0.30	10.00	0.30
2	0.80	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.40
3	1.35	10.00	6.80	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.80
4	1.87	10.00	0.80	10.00	0.70	10.00	0.70	10.00	0.70	10.00	0.87
5	2.35	10.00	0.70	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.70
6	2.87	10.00	0.80	10.00	1.00	10.00	1.00	10.00	1.00	10.00	1.00

Unloading Stage (1)

Loading	Stress	Dist 1	Settlement		Dist 2	Settlement		Dist 3	Settlement		Average
	Applied		mm			mm			mm		
1	1.35	10.00	0.80	10.00	1.30	10.00	0.80	10.00	0.80	10.00	0.80
2	1.75	10.00	0.70	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.80
3	0.000	10.00	0.80	10.00	0.70	10.00	0.70	10.00	0.70	10.00	0.87
4	0.00	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.80

Loading Stage (2)

Loading	Stress	Dist 1	Settlement		Dist 2	Settlement		Dist 3	Settlement		Average
	Applied		mm			mm			mm		
1	0.45	10.00	0.40	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.80
1	0.85	10.00	0.40	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.80
2	1.25	10.00	0.80	10.00	0.70	10.00	0.70	10.00	0.70	10.00	0.87
3	1.87	10.00	0.80	10.00	0.70	10.00	0.80	10.00	0.80	10.00	0.70
4	2.80	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.80	10.00	0.80





Consulting Engineering Services & Laboratories مكتب استشارات الهندسية

Company Name:
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P.O. Box:
Phone No.:
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Our New Construction
General Services: Testing, Surveying, Design, Inspection, Monitoring, Training, etc.
Address:
P.O. Box:
Phone No.: 00966 11 444 4444
Fax No.:

Reinforced Concrete Slabs, Flat Slab, Tests of Slabs ENR 10100



Load (kN)	1	2	3	4	5	6	7
Deflection (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00
Reinforcement ratio	0.00	0.05	0.10	0.15	0.20	0.25	0.30

Load (kN)	1	2	3	4
Deflection (mm)	0.00	1.00	2.00	3.00
Reinforcement ratio	0.00	0.05	0.10	0.15

Load (kN)	0.00	1.00	2.00	3.00	4.00	5.00	6.00
Deflection (mm)	0.00	1.00	2.00	3.00	4.00	5.00	6.00

Reinforcement ratio: 0.00

Load (kN)	1	2	3	4	5	6	7
Deflection (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00
Reinforcement ratio	0.00	0.05	0.10	0.15	0.20	0.25	0.30

Load (kN)	0.00	1.00	2.00	3.00	4.00	5.00	6.00
Deflection (mm)	0.00	1.00	2.00	3.00	4.00	5.00	6.00

- Get a list of information during the testing stage.
- Get a list of information during the following stage.
- Get a list of information during the following stage.
- Get a list of information during the following stage.
- Get a list of information during the following stage.



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مكتب استشارات الهندسة والاختبارات

Company Name : Dean Wire Construction
Project : Sakana Express Hotel, Main A.M.M. Highway to Bawal, Baramulla, Jammu & Kashmir (J&K) - Jammu & Kashmir
Test Date : 20/05/2019
Report Date : 20/05/2019
Location : Sakana Express Hotel to Jammu
Test No : 00

Reinforcement Slabs Plate Load Tests, of Slabs
IDM.38134

Date sheet

Loading Stage (1)

Loading	Stress	Slab 1	Settlement	Slab 2	Settlement	Slab 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.00	0.10	10.00	0.10	10.00	0.10	0.10
2	0.80	10.00	0.20	10.00	0.20	10.00	0.20	0.20
3	1.20	10.00	0.30	10.00	0.30	10.00	0.30	0.30
4	1.60	10.00	0.40	10.00	0.40	10.00	0.40	0.40
5	2.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50
6	2.40	10.00	0.60	10.00	0.60	10.00	0.60	0.60

Unloading Stage (1)

Loading	Stress	Slab 1	Settlement	Slab 2	Settlement	Slab 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	2.40	10.00	0.60	10.00	0.60	10.00	0.60	0.60
2	1.60	10.00	0.40	10.00	0.40	10.00	0.40	0.40
3	0.80	10.00	0.20	10.00	0.20	10.00	0.20	0.20
4	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00

Loading Stage (2)

Loading	Stress	Slab 1	Settlement	Slab 2	Settlement	Slab 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.00	0.10	10.00	0.10	10.00	0.10	0.10
2	0.80	10.00	0.20	10.00	0.20	10.00	0.20	0.20
3	1.20	10.00	0.30	10.00	0.30	10.00	0.30	0.30
4	1.60	10.00	0.40	10.00	0.40	10.00	0.40	0.40
5	2.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50





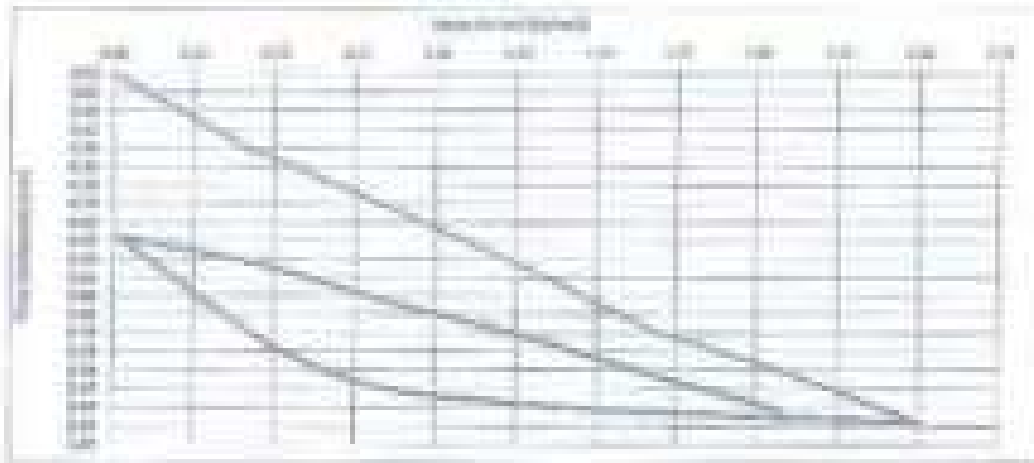
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Phone: 011-46111111

Remediation Earth Plate Load Tests of Soil
20x 20 cm



Load (kN)	1	2	3	4	5	6	7
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Soil Type	1	2	3	4	5	6	7

Load (kN)	1	2	3	4
Settlement (mm)	0.00	0.00	0.00	0.00
Soil Type	1	2	3	4

Soil Type: 1
Soil Type: 2
Soil Type: 3
Soil Type: 4
Soil Type: 5
Soil Type: 6
Soil Type: 7

Soil Type: 1

Load (kN)	1	2	3	4	5	6	7
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Soil Type	1	2	3	4	5	6	7

Soil Type: 1
Soil Type: 2
Soil Type: 3
Soil Type: 4
Soil Type: 5
Soil Type: 6
Soil Type: 7

- 1) The objective of the test is to determine the bearing capacity of the soil.
- 2) The objective of the test is to determine the bearing capacity of the soil.
- 3) The objective of the test is to determine the bearing capacity of the soil.
- 4) The objective of the test is to determine the bearing capacity of the soil.



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Consulting Engineering Bureau & Laboratories
مكتب استشارات الهندسية

Company Name : Ham Hana Construction
Project : Monthly Progress Tests, from 10.0m Bottom to 10.0m Bottom (Piling System 02) - Al-Basrah Port
Test Date : 09/04/2023
Report Date : 09/04/2023
Location : Station 440+000 to 440+010
Test No. : 07

Nonconsolidation Static Plate Load Tests of Soils C01.10.1.4

Units: kN/cm²

Loadings Stage (1)

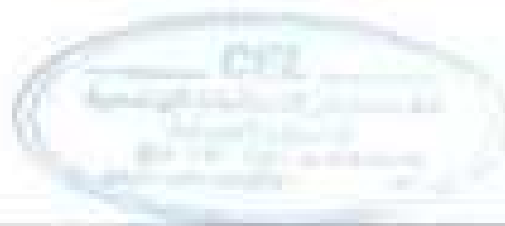
Loading	Stress Applied	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
			mm		mm		mm	
0	0.00	19.00	0.00	19.00	0.00	19.00	0.00	0.00
1	0.40	19.00	0.13	19.00	0.20	19.00	0.19	0.18
2	0.80	19.11	0.20	19.00	0.30	19.00	0.30	0.30
3	1.20	19.00	0.30	19.00	0.40	19.00	0.40	0.40
4	1.60	19.00	0.40	19.00	0.40	19.00	0.50	0.50
5	2.00	19.00	0.60	19.00	0.70	19.00	0.90	0.70
6	2.40	19.00	0.70	19.00	0.80	19.00	0.90	0.80

Unconsolidation Stage (2)

Loading	Stress Applied	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
			mm		mm		mm	
1	1.00	19.00	0.70	19.00	0.80	19.00	0.80	0.80
2	1.50	19.00	0.80	19.00	0.90	19.00	0.70	0.70
3	0.80	19.00	0.50	19.00	0.60	19.00	0.60	0.60
4	0.20	19.00	0.20	19.00	0.20	19.00	0.20	0.20

Loadings Stage (2)

Loading	Stress Applied	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
			mm		mm		mm	
0	0.40	19.00	0.20	19.00	0.40	19.00	0.20	0.20
1	0.80	19.00	0.40	19.00	0.50	19.00	0.40	0.40
2	1.20	19.00	0.50	19.00	0.60	19.00	0.50	0.50
3	1.60	19.00	0.60	19.00	0.70	19.00	0.60	0.60
4	2.00	19.00	0.70	19.00	0.80	19.00	0.70	0.70



1-01 Station, 10.0m Port
Consulting Bureau
V.O.A. No. 101010101 - 101010101



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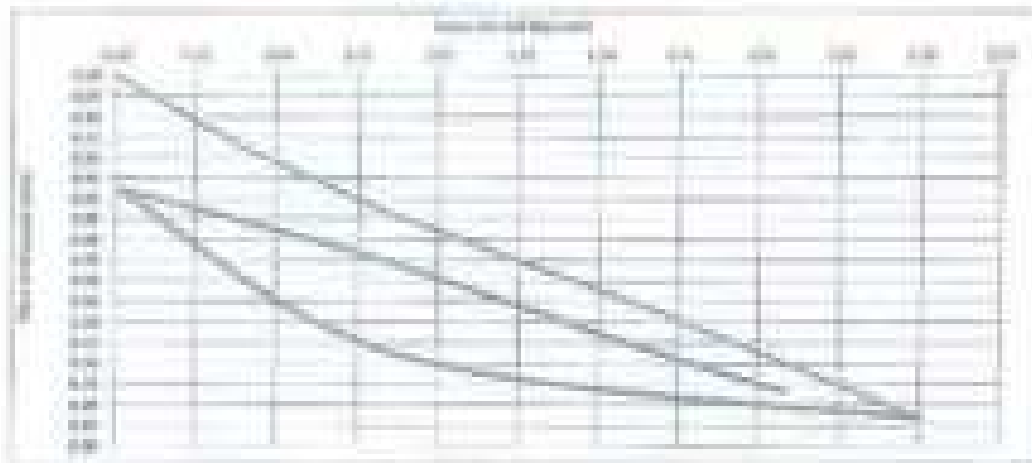


Consulting Engineering Research & Laboratories مكتب بحوث الاستشارات الهندسية

Engineering Branch
Tanta
Tanta City
Tanta City
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Tanta City

Flow Rate Computation
Standard Test: 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500, 7000, 7500, 8000, 8500, 9000, 9500, 10000
Standard Test: 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500, 7000, 7500, 8000, 8500, 9000, 9500, 10000
Standard Test: 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500, 7000, 7500, 8000, 8500, 9000, 9500, 10000
Standard Test: 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500, 7000, 7500, 8000, 8500, 9000, 9500, 10000

Recommended Static Flow Load Tests of Joints
CUL.002.02



Flow Rate (m³/hr)	1000	1500	2000	2500	3000	3500	4000
Flow Load (kg)	1000	1500	2000	2500	3000	3500	4000
Flow Load (kg)	1000	1500	2000	2500	3000	3500	4000

Flow Rate (m³/hr)	1000	1500	2000	2500
Flow Load (kg)	1000	1500	2000	2500
Flow Load (kg)	1000	1500	2000	2500

Flow Rate (m³/hr)	1000	1500	2000	2500	3000	3500	4000
Flow Load (kg)	1000	1500	2000	2500	3000	3500	4000

Flow Rate (m³/hr)

Flow Rate (m³/hr)	1000	1500	2000	2500	3000	3500	4000
Flow Load (kg)	1000	1500	2000	2500	3000	3500	4000
Flow Load (kg)	1000	1500	2000	2500	3000	3500	4000

Flow Rate (m³/hr)	1000	1500	2000	2500	3000	3500	4000
Flow Load (kg)	1000	1500	2000	2500	3000	3500	4000

1000 - Flow Rate (m³/hr) and 1000 - Flow Load (kg)
1500 - Flow Rate (m³/hr) and 1500 - Flow Load (kg)
2000 - Flow Rate (m³/hr) and 2000 - Flow Load (kg)
2500 - Flow Rate (m³/hr) and 2500 - Flow Load (kg)
3000 - Flow Rate (m³/hr) and 3000 - Flow Load (kg)
3500 - Flow Rate (m³/hr) and 3500 - Flow Load (kg)
4000 - Flow Rate (m³/hr) and 4000 - Flow Load (kg)



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Consulting Engineering Services & Laboratories

مكاتب استشارات الهندسة والاختبارات

Company Name : New Blue Construction
Project : Madinet Nasr, Villa, Area 10000 sqm in Hama - Madinet Pasha, House 02 - Hama in Syria
Test Date : 20/02/2025
Report Date : 28/02/2025
Location : Street 400000 to 400000
Test No. : 08

Nondestructive Static Plate Load Tests of Soils CBL 10124

Data sheet

Load/Plat (Test 01)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	0.50	20.00	0.50	20.00	0.80	20.00	0.50	0.50
2	0.50	20.00	0.50	15.10	0.20	15.10	0.20	0.20
3	0.80	19.50	0.50	10.10	0.40	10.40	0.30	0.40
4	1.00	19.50	0.40	10.00	0.30	10.00	0.30	0.30
5	1.00	10.00	0.20	10.00	0.20	10.00	0.20	0.20
6	2.00	20.00	0.50	10.00	0.80	10.00	0.70	0.60
7	2.00	10.00	1.00	10.00	0.80	10.00	0.80	0.80

Unconsolidated State (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	1.00	10.00	1.00	10.00	0.80	10.00	0.80	0.80
2	1.50	10.00	0.80	10.00	0.80	10.00	0.80	0.80
3	0.200	10.00	0.20	10.00	0.20	10.00	0.20	0.20
4	0.20	10.00	0.20	10.00	0.20	10.00	0.20	0.20

Load/Plat (Test 02)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	0.40	10.00	0.20	10.00	0.40	10.00	0.40	0.40
2	0.40	10.00	0.20	10.00	0.20	10.00	0.20	0.20
3	1.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50
4	1.00	10.00	0.40	10.00	0.70	10.00	0.60	0.50
5	2.00	10.00	0.80	10.00	0.80	10.00	0.80	0.80



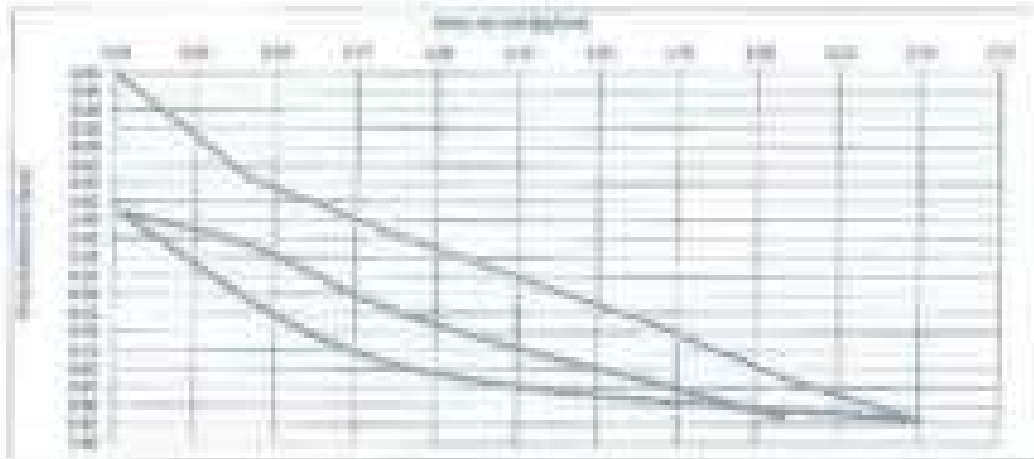


Control Engineering Research Laboratories مركز بحوث الهندسة بالجامعة

Experiment Name
Topic
Date
Group
Page No.

Lab Name: Control System
Experiments: Design, Sim, and test the transfer function, Bode plot, Frequency Response (G) - Amplitude Ratio
Control System
Control System
Control System (in and out)

Experimental Data: Plot Load Load at 100 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000



Load Load (Y)	0	1	2	3	4	5	6
Load Load	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Load Load (Y)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Load Load (Y)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Load Load (Y)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Load Load (Y)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

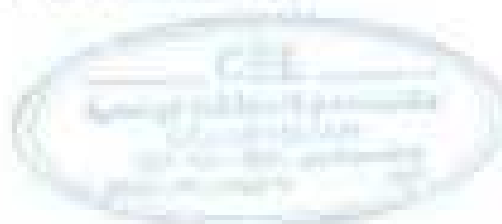
Load Load (Y)	0	1	2	3	4	5	6
Load Load	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Load Load (Y)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Load Load (Y)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Load Load (Y)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Load Load (Y)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Load Load (Y)	0	1	2	3	4	5	6
Load Load	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Load Load (Y)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Load Load (Y)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Load Load (Y)

- 1. The difference between the load load and the load load is the load load.
- 2. The difference between the load load and the load load is the load load.
- 3. The difference between the load load and the load load is the load load.
- 4. The difference between the load load and the load load is the load load.





Consulting Engineering Bureau & Laboratories

بureau of Consulting Engineering & Laboratories

Company Name: Star-Rise Construction
 Project: DAMRA Express Road, Inter At New Indaba to Dhamra Express Roady Number 22 - Damra to Bhubaneswar
 Test Name: settlement
 Report Date: settlement
 Location: Dhamra Inter-22 to 44th+47th
 Test No.: 05

Hamra Express Road, Moha Load Tests at India
 05.10.20

Date sheet

Load Test Stage (1)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	0.35	10.00	0.30	10.00	0.30	10.00	0.30	0.30
2	0.40	10.00	0.31	10.00	0.30	10.00	0.30	0.30
3	0.45	10.00	0.30	10.00	0.31	10.00	0.30	0.31
4	1.25	10.00	0.30	10.00	0.40	10.00	0.71	0.30
5	1.50	10.00	0.44	10.00	0.30	10.00	0.30	0.30
6	1.75	10.00	0.79	10.00	0.71	10.00	1.20	0.30
7	1.50	10.00	0.30	10.00	0.30	10.00	1.10	0.30

Unloading Stage (1)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	0.35	10.00	0.30	10.00	0.30	10.00	0.30	0.30
2	1.25	10.00	0.30	10.00	0.30	10.00	0.30	0.30
3	1.50	10.00	0.30	10.00	0.30	10.00	0.30	0.30
4	0.35	10.00	0.30	10.00	0.30	10.00	0.30	0.30

Load Test Stage (2)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	0.40	10.00	0.40	10.00	0.30	10.00	0.30	0.40
2	0.45	10.00	0.30	10.00	0.40	10.00	0.30	0.40
3	1.25	10.00	0.30	10.00	0.30	10.00	0.30	0.30
4	1.50	10.00	0.30	10.00	0.30	10.00	0.30	0.30
5	1.75	10.00	0.30	10.00	0.30	10.00	0.30	0.30
6	1.50	10.00	0.30	10.00	0.30	10.00	1.20	0.30





Consulting Engineering Human & Laboratories

مكتب استشارات الهندسية

Company Name:

Sea Rise Construction

Project:

Shady Elmaghrabi Tents, From 25 km. Jeddah to Mecca - National Priority Sector 20 - Shady Elmaghrabi Tents

Test Date:

09/02/2023

Report Date:

09/02/2023

Location:

Station 000000 to 000100

Test No.:

01

Maximum Moisture Plastic Limit Tests of Soils

09/02/2023

Date sheet

Learning Stage (I)

Learning	Stress Applied	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	0.50	10.00	0.50	10.00	0.50	10.00	0.50	0.50
2	1.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50
3	1.50	10.00	0.50	10.00	0.50	10.00	0.50	0.50
4	2.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50
5	2.50	10.00	0.50	10.00	0.50	10.00	0.50	0.50
6	3.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50
7	3.50	10.00	0.50	10.00	0.50	10.00	0.50	0.50
8	4.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50

Learning Stage (II)

Learning	Stress Applied	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	0.50	10.00	0.50	10.00	0.50	10.00	0.50	0.50
2	1.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50
3	1.50	10.00	0.50	10.00	0.50	10.00	0.50	0.50
4	2.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50

Learning Stage (III)

Learning	Stress Applied	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	0.50	10.00	0.50	10.00	0.50	10.00	0.50	0.50
2	1.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50
3	1.50	10.00	0.50	10.00	0.50	10.00	0.50	0.50
4	2.00	10.00	0.50	10.00	0.50	10.00	0.50	0.50
5	2.50	10.00	0.50	10.00	0.50	10.00	0.50	0.50



CEL Works 25 Al-Bad Street

Jeddah, KSA

Mobile No. : 0096654 1000000



25 Al-Bad Street

Jeddah, KSA

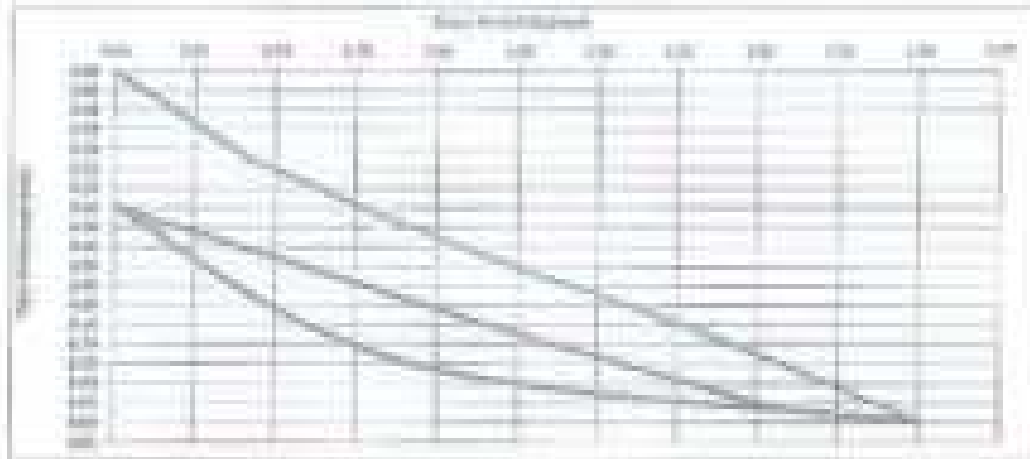
Mobile No. : 0096654 1000000

www.ias-jeddah.com

Company Name
 Project
 Test Item
 Test Type
 Location
 Date

Test Item Description
 Results: (Provide Tests from the below to those listed in the Test Item - Results table)
 00000000
 00000000
 Contact Information: 000000
 00

Standardized Load Data Load Tests of Asph 000 0000



Load (kN)	1	2	3	4	5	6	7
Displacement (mm)	0	100.00	100.00	100.00	100.00	100.00	100.00
Load (kN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1. Load = 0.00 kN
 2. Load = 0.00 kN
 3. Load = 0.00 kN
 4. Load = 0.00 kN
 5. Load = 0.00 kN
 6. Load = 0.00 kN
 7. Load = 0.00 kN

Load (kN)	1	2	3	4
Displacement (mm)	0	100.00	100.00	100.00
Load (kN)	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00

1. Load = 0.00 kN
 2. Load = 0.00 kN
 3. Load = 0.00 kN
 4. Load = 0.00 kN

Load (kN)	1	2	3	4	5	6	7
Displacement (mm)	0	100.00	100.00	100.00	100.00	100.00	100.00
Load (kN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1. Load = 0.00 kN
 2. Load = 0.00 kN
 3. Load = 0.00 kN
 4. Load = 0.00 kN
 5. Load = 0.00 kN
 6. Load = 0.00 kN
 7. Load = 0.00 kN

1. Load = 0.00 kN
 2. Load = 0.00 kN
 3. Load = 0.00 kN
 4. Load = 0.00 kN
 5. Load = 0.00 kN
 6. Load = 0.00 kN
 7. Load = 0.00 kN



Company : Esa Hse Construction

Project : Electric Express Train, Al Ain Station to Marsa Matruh Port Sector (B)
Abaskh to Fria
Subject : Determine the deformation and strength characteristics of soil by the plate
loading test according specifications: DSS 18134-2012-QA and project requirements
Test Location : Station 449+020 to 449+320
Test Date : 29/03/2023
Report Date : 29/03/2023
Type of soil : -----
Test level : prepared subgrade .
Report No. : 152/109

Dear Gentleman,

According to the client mentioned subject the test performed as follow:-

Apparatus

1. Loading plates consists of two plates with 800 mm and 200 mm diameter
2. The thickness of plates 30 mm
3. Dial gauges with accuracy 0.01 mm in measuring the settlement
4. Steel straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Soil indicator measuring device with scale capacity 1100 mm (11meters)
7. Reaction loading system by roller compressor with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clean the ground or test area to the required level with undisturbed soil
2. Install loading plates 800 mm and 200 mm diameter, hydraulic jack and 2 dial gauges
3. Prior to starting the test applied preloading about 30 seconds
4. The strain gauge and the dial gauge shall be set to zero
5. For a 800 mm loading plate, the first values are 0.3 kg/cm²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum normal stress is reached
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be released in 3 stages, in 10 %, 25 %, and approximately 2 % of the maximum load
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the percentage stage of the first cycle (so that the full load is not reached)
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.01 mm/min
11. Remove the loads

Report

1. Evaluation and representation of results
2. Load-Bulldozers test
3. The test report must include the following:-
 - Location of test site - Dimensions of loading plate
 - Measuring device used - Type of soil
 - Type of loading applied below the plate - Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding test load - Loading-settlement curve
 - Description of the soil conditions below the plate after testing

Report

Type of soil: prepared subgrade

- Job requirement: $C_{v2} > 600 \text{ Kg/cm}^2$ (60 MPa)

Item	Descriptions
Type of loading material below the plate	Normal Soil
Weather condition	Partly Sunny
Plate Diameter (mm)	600
date of measurement	28/05/2023
Unusual observation made during test	NO
Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results

Test No.	Station		First Cycle	Second Cycle	E_{avg} Ratio
	From	To	P_{10} (kg/cm ²)	P_{10} (kg/cm ²)	
1	440+025	440+050	1216	1675	1.5
2	440+050	440+075	1216	1607	1.3
3	440+075	440+100	1216	1552	1.3
4	440+100	440+125	2260	2143	1.0
5	440+125	440+150	1324	1502	1.2
6	440+150	440+175	1154	1657	1.7
7	440+175	440+200	1023	1657	1.6
8	440+200	440+225	1129	2250	2.0

Signature /



Company Name : Sun Rise Construction
Project : Elwan Express Tolls, Road 40 Km Distance to Helwan, Suburban Housing Sector (A) - Helwan Governorate
Test Date : 20/03/2013
Report Date : 20/03/2013
Location : Station 445+020 to 445+030
Test No : 01

Unconsolidated Static Plate Load Tests of Soils GWS 15134

Date sheet

Loading Stage (1)

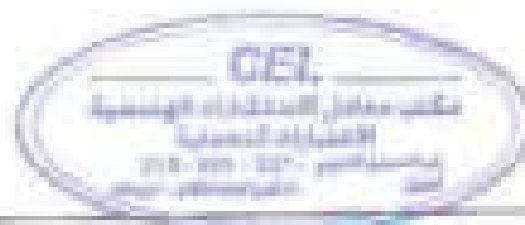
Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.00	17.00	0.00	17.00	0.00	17.00	0.00	0.00
1	0.42	16.80	0.17	16.80	0.16	16.80	0.16	0.17
2	0.65	16.70	0.29	16.64	0.26	16.61	0.25	0.28
3	1.00	16.50	0.40	16.40	0.37	16.30	0.36	0.39
4	1.37	16.30	0.50	16.27	0.47	16.10	0.50	0.50
5	2.00	16.00	0.60	16.10	0.50	16.00	0.50	0.60
6	2.50	15.80	0.60	15.90	0.59	15.80	0.59	0.60

Unloading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
1	2.50	15.40	0.50	15.50	0.54	15.30	0.50	0.50
2	1.37	15.60	0.30	15.60	0.30	15.50	0.30	0.30
3	0.65	15.80	0.10	15.70	0.09	15.70	0.09	0.10
4	0.00	15.80	0.00	15.80	0.00	15.80	0.00	0.00

Loading Stage (2)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.42	15.50	0.00	15.50	0.00	15.40	0.00	0.00
1	0.65	15.40	0.04	15.30	0.00	15.20	0.00	0.00
2	1.00	15.30	0.00	15.20	0.00	15.00	0.00	0.00
3	1.37	15.40	0.00	15.00	0.00	14.80	0.00	0.00
4	2.00	15.20	0.00	14.80	0.00	14.60	0.00	0.00



Company Name
Project
Type of Job
Project Value
Location
Ref No.

Job Name Description
Design Summary Data: From 1st Job to 10th Job - Design Summary Data - Summary Data
1000000
1000000
Design Summary Data: From 1st Job to 10th Job - Summary Data
100

Summary Data: Peak Load Data of Data



Loading ID	1	2	3	4	5	6	7
Design	1	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Design Summary	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summary Data	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Design	100	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Design Summary	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Loading ID	1	2	3	4
Design	100	1000.00	1000.00	1000.00
Design Summary	0.00	0.00	0.00	0.00
Summary Data	0.00	0.00	0.00	0.00

Loading ID	1	2	3	4	5	6	7
Design	1	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Design Summary	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summary Data	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Design	100	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Design Summary	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Summary Data

- 100 = Number of observation during the loading phase
- 1000 = Number of observation during the unloading phase
- 100 = Peak load (kN)
- 100 = The difference between 100 and 1000 (the maximum loading rate (kN/min))
- 100 = Observation rate (kN/min) corresponding to 100 and 1000 (the maximum loading rate)



Contract Name : Sun Rise Construction
 Project : Service Station, Taha, Area 4, Abu Saeed St, Hama, Station Priority Station (2) - Hama to Hama
 Test Date : 2023/07/03
 Report Date : 2023/07/03
 Location : Station 440+050 to 440+075
 Test No. : 02

Intermittent Static Plate Load Tests of Soils DIN 18134

Date sheet

Loading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.00	0.16	10.00	0.22	10.00	0.26	0.21
2	0.80	10.00	0.30	10.00	0.38	10.00	0.37	0.35
3	1.20	10.00	0.43	10.00	0.58	10.00	0.54	0.50
4	1.60	10.00	0.68	10.00	0.86	10.00	0.82	0.77
5	2.00	10.00	0.75	10.00	0.90	10.00	0.72	0.81
6	2.00	10.00	0.58	10.00	0.60	10.00	0.88	0.83

Unloading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	2.00	10.00	0.58	10.00	0.60	10.00	0.88	0.83
2	1.20	10.00	0.30	10.00	0.38	10.00	0.72	0.70
3	0.80	10.00	0.43	10.00	0.86	10.00	0.54	0.79
4	0.01	10.00	0.16	10.00	0.10	10.00	0.10	0.08

Loading Stage (2)

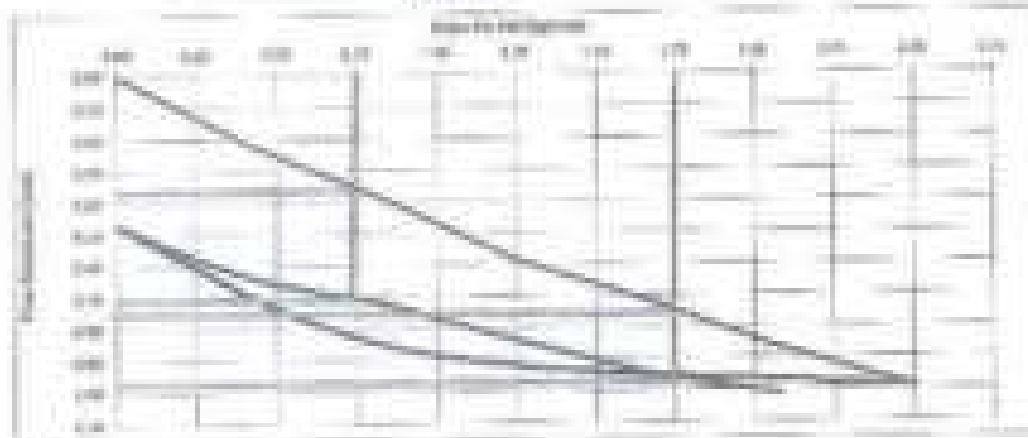
Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	10.00	0.34	10.70	0.07	10.10	0.30	0.54
1	0.03	10.00	0.40	10.00	0.36	10.00	0.40	0.73
2	1.00	10.00	0.48	10.10	0.48	10.00	0.28	0.84
3	1.07	10.00	0.88	10.00	0.88	10.00	0.70	0.88
4	0.98	10.00	0.88	10.00	0.81	10.00	0.79	1.01



Document Name
Page #1
Total Pages
Report Code
Revision
Print On

Steel Plate Connections
Designing Shear Walls, Beams and Columns (Steel) - National Building Institute (NBI) - October 1998
100000000
100000000
100000000
100000000
100000000

Normalised Steel Plate Load Versus Joint DS-101.04



Load (kN)	0	0.2	0.4	0.6	0.8	1.0
Top Plate	0	0.1800	0.1600	0.1400	0.1200	0.1000
Bottom Plate	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Plate	0.00	0.00	0.00	0.00	0.00	0.00

Load (kN)	0	0.2	0.4	0.6
Top Plate	0.00	0.1800	0.1600	0.1400
Bottom Plate	0.00	0.00	0.00	0.00

Load (kN)	0	0.2	0.4	0.6	0.8	1.0
Top Plate	0	0.1800	0.1600	0.1400	0.1200	0.1000
Bottom Plate	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Plate	0.00	0.00	0.00	0.00	0.00	0.00

Figure 10.1.1

DS-1 - Design of Shear Walls and Columns using the following steps
DS-2 - Design of Shear Walls and Columns using the following steps
DS-3 - Design of Shear Walls and Columns using the following steps
DS-4 - Design of Shear Walls and Columns using the following steps
DS-5 - Design of Shear Walls and Columns using the following steps



Contract Name : San Rise Construction
 Project : Heavy Impact Test, Static Plate Load Test on Marine Mollusk Shells (Type II) - (Sample No. 100)
 Test Date : 2023/11/13
 Report Date : 2023/11/13
 Location : Station 443+075 to 443+100
 Test No. : 100

Intermittent Static Plate Load Tests of Guts CEN.18134

Data sheet

Loading Stage (1)

Loading	Stress kPa/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.32	10.00	0.00	10.00	0.20	10.00	0.13	0.14
2	0.64	10.00	0.10	10.00	0.30	10.00	0.21	0.20
3	1.28	10.00	0.20	10.00	0.40	10.00	0.40	0.40
4	1.92	10.00	0.40	10.00	0.60	10.00	0.60	0.60
5	2.56	10.00	0.80	10.00	0.70	10.00	0.80	0.71
6	3.20	10.00	0.70	10.00	0.80	10.00	0.80	0.75

Unloading Stage (1)

Loading	Stress kPa/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	1.28	10.00	0.70	10.00	0.60	10.00	0.60	0.60
2	1.28	10.00	0.70	10.00	0.70	10.00	0.60	0.60
3	0.64	10.00	0.40	10.00	0.70	10.00	0.60	0.60
4	0.32	10.00	0.30	10.00	0.40	10.00	0.60	0.60

Loading Stage (2)

Loading	Stress kPa/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.32	10.00	0.00	10.00	0.00	10.00	0.00	0.00
2	1.28	10.00	0.70	10.00	0.60	10.00	0.60	0.60
3	1.92	10.00	0.80	10.00	0.80	10.00	1.00	0.80
4	2.56	10.00	0.80	10.00	0.80	10.00	1.40	1.00



```

1. Show that  $\mathbb{Q}[\sqrt{2}, \sqrt{3}] = \mathbb{Q}(\sqrt{2}, \sqrt{3})$ .
2. Determine the degree  $[K : \mathbb{Q}]$  of  $K = \mathbb{Q}(\sqrt{2}, \sqrt{3})$  over  $\mathbb{Q}$ .
3. Find  $\text{Gal}(K/\mathbb{Q})$ .
4. Determine  $\text{Gal}(K/\mathbb{Q})$  for  $K = \mathbb{Q}(\sqrt{2}, \sqrt{3})$ .
5. (20)

```

Investment (€)	1	2	3	4
Operating	1000	1000	1000	0
Dividend (payout)	0	1.25	10.00	0.00
Residual cash	1000	0.75	0.00	0.00

TABLE 1



Company Name : Suk Hiss Construction
 Project : Water Supply from Dam to the Village of Nawa - Ministry of Water Resources
 Test Date : 20/02/2022
 report date : 20/02/2022
 Location : Station 440+100 to 440+125
 Test No : 04

Nonpenetrating Static Plate Load Tests of Soils DM 18124

Date Sheet

Loading Stage (1)

loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	0.00	16.25	0.00	16.25	0.00	16.25	0.00	0.00
1	0.42	16.25	0.11	16.41	0.17	16.41	0.19	0.12
2	0.83	16.15	0.22	16.72	0.27	16.65	0.36	0.28
3	1.25	16.10	0.34	16.84	0.35	16.75	0.45	0.37
4	1.67	16.05	0.37	16.95	0.45	16.85	0.55	0.45
5	2.08	16.05	0.42	16.95	0.55	16.97	0.65	0.53
6	2.50	16.02	0.49	16.96	0.64	16.98	0.72	0.62

Unloading Stage (1)

loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	16.02	0.49	16.96	0.64	16.98	0.72	0.62
2	1.25	16.08	0.38	16.95	0.55	16.95	0.61	0.52
3	0.83	16.12	0.31	16.93	0.42	16.94	0.46	0.41
4	0.42	16.25	0.15	16.71	0.22	16.64	0.19	0.16

Loading Stage (2)

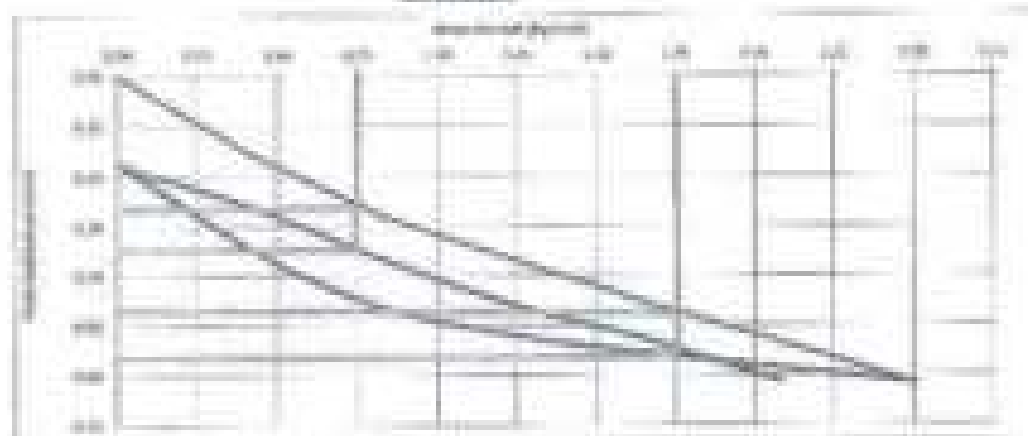
loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	16.75	0.24	16.66	0.20	16.75	0.22	0.26
1	0.83	16.47	0.25	16.58	0.21	16.55	0.26	0.27
2	1.25	16.02	0.37	16.10	0.49	16.46	0.52	0.45
3	1.67	15.38	0.42	15.46	0.56	15.75	0.61	0.53
4	2.08	15.19	0.60	15.36	0.64	15.32	0.79	0.61



Engineering Branch
Project
Field Office
Regional Office
Head Office

1- Road Work Construction
2- Water Storage Tanks, Dams, Water Treatment and Sewer Treatment Plants
3- Bridges & Tunnels
4- Pipelines
5- Other

Recommended Soil Tests Load Tests of Soils BS 1378



Load (kN)	0	1	2	3	4	5	6
Settlement (mm)	0	100.00	200.00	300.00	400.00	500.00	600.00
Soil Type (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Settlement (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

Load (kN)	0	1	2	3
Settlement (mm)	0.00	0.01	0.02	0.03
Soil Type (mm)	0.00	0.01	0.02	0.03
Settlement (mm)	0.00	0.01	0.02	0.03

Load (kN)	0	1	2	3	4	5	6
Settlement (mm)	0	100.00	200.00	300.00	400.00	500.00	600.00
Soil Type (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Settlement (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

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Company Name : Sun Rise Construction
Project : El-Dokki Thermal Plant, Road at the bottom to El-Dokki Thermal Power Station (2) - El-Dokki - Cairo
Test Date : 28/03/2023
Report Date : 28/03/2023
Location : Station 445+125 to 445+135
Test No. : 10

Unsurpassed Static Plate Load Tests of Soils DN 18124

Data sheet

Loading Stage (1)

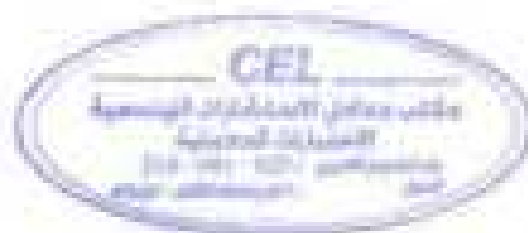
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
2	0.40	10.00	0.14	10.00	0.21	10.00	0.12	0.16
3	0.80	10.00	0.30	10.00	0.30	10.00	0.28	0.30
4	1.20	10.00	0.58	10.00	0.71	10.00	0.71	0.63
5	1.60	10.40	0.67	10.40	0.84	10.40	0.67	0.70
6	2.00	10.70	0.74	10.70	0.85	10.70	0.76	0.76
7	2.50	10.90	0.80	10.90	0.81	10.90	0.80	0.80

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	10.90	0.80	10.90	0.81	10.90	0.81	0.80
2	1.20	10.00	0.73	10.00	0.80	10.00	0.80	0.80
3	0.80	10.00	0.68	10.00	0.74	10.00	0.81	0.74
4	0.00	10.00	0.40	10.00	0.84	10.00	0.77	0.50

Loading Stage (2)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
8	0.40	10.40	0.58	10.40	0.83	10.40	0.88	0.83
9	0.80	10.00	0.88	10.00	0.76	10.00	0.79	0.79
10	1.20	10.00	0.80	10.00	0.88	10.00	0.87	0.88
11	1.60	10.00	0.88	10.00	0.88	10.00	0.85	0.88
12	2.00	10.00	1.00	10.00	1.00	10.00	1.11	1.00



Company Name : Sun-Hill Construction
 Project : Greater Egyptian Trade Fair At The National Exhibition Ground, Helwan, Ministry of Planning (P) - (Approved in 2014)
 Test Date : 28/03/2023
 report date : 29/03/2023
 Location : Station 488+162 to 488+175
 Test No. : 36

Horizontal Static Plate Load Tests of Soils CWN 18134

Date: 2023

Loading Stage (I)

Loading	Stress kPa/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
2	0.35	15.25	0.25	15.25	0.35	15.25	0.35	0.35
1	0.43	15.25	0.25	15.25	0.43	15.25	0.43	0.43
3	0.85	15.25	0.50	15.25	0.85	15.25	0.85	0.85
3	1.23	15.25	0.80	15.25	0.80	15.25	0.80	0.80
4	1.67	15.25	0.77	15.25	0.85	15.25	0.85	0.77
5	2.15	15.25	0.84	15.25	1.00	15.25	0.85	0.84
6	2.55	15.25	0.94	15.27	1.13	15.25	0.86	0.91

Unloading Stage (I)

Loading	Stress kPa/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	2.55	15.25	0.94	15.27	1.13	15.25	0.86	0.91
2	1.23	15.25	0.80	15.25	0.85	15.25	0.79	0.80
3	0.85	15.25	0.75	15.25	0.80	15.25	0.75	0.77
4	0.43	15.25	0.47	15.41	0.55	15.43	0.50	0.48

Loading Stage (II)

Loading	Stress kPa/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
6	0.42	15.25	0.50	15.25	0.87	15.25	0.58	0.58
4	0.83	15.25	0.64	15.25	0.79	15.43	0.80	0.80
2	1.25	15.25	0.78	15.25	0.82	15.25	0.74	0.79
3	1.67	15.25	0.82	15.25	0.88	15.25	0.88	0.85
4	2.08	15.25	0.88	15.25	0.88	15.25	0.92	0.88



Company Name
Project
Test Date
Report No.
Location
Test No.

Test Data Characteristics

Electro Dynamic Test, from 0.1 Hz to 10 Hz, 1000 N, 1000 Hz, 1000 Hz, 1000 Hz, 1000 Hz

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Formulation, Data, Plot Load Axis of Sails 200.10.10



Load (N)	1	2	3	4	5	6	7
Displacement	0	100.00	200.00	300.00	400.00	500.00	600.00
Stress (MPa)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Strain (mm/mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

Load (N)	1	2	3	4
Displacement	1000	2000	3000	4000
Stress (MPa)	0.01	0.02	0.03	0.04
Strain (mm/mm)	0.01	0.02	0.03	0.04

Load (N)	1	2	3	4	5	6	7
Displacement	0	100.00	200.00	300.00	400.00	500.00	600.00
Stress (MPa)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Strain (mm/mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

0.000000

0.1 = Number of data points during the loading stage

0.2 = Number of data points during the unloading stage

0.3 = Plot resolution

0.4 = The difference between the number of data points during the loading stage

0.5 = Difference between the number of data points during the loading stage



Company Name : San Hsa Construction
 Project : South Express Road, from El Fay Sedout to El Fay Sedout (Paving Section 14) - (Kilometer 14.700)
 Test Date : 20/03/2023
 Report Date : 20/03/2023
 Location : Station 440+170 to 440+200
 Test No. : 07

Representative Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.42	15.00	0.78	15.15	0.75	15.00	0.74	0.76
2	0.85	15.00	1.57	15.25	1.44	15.00	1.46	1.49
3	1.28	15.00	2.36	15.35	2.20	15.00	2.18	2.25
4	1.71	15.00	3.14	15.45	2.95	15.00	2.94	3.01
5	2.14	15.00	3.93	15.55	3.74	15.00	3.70	3.87
6	2.57	15.00	4.71	15.65	4.53	15.00	4.50	4.58

Loading Stage (2)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	3.00	15.00	5.50	15.75	5.31	15.00	5.28	5.38
2	3.43	15.00	6.29	15.85	6.10	15.00	6.05	6.18
3	3.86	15.00	7.07	15.95	6.89	15.14	6.86	6.95
4	4.29	15.00	7.86	16.05	7.68	15.24	7.64	7.74

Loading Stage (3)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.42	15.00	0.78	15.15	0.75	15.00	0.74	0.76
1	0.85	15.14	1.57	15.25	1.44	15.00	1.46	1.49
2	1.28	15.28	2.36	15.35	2.20	15.00	2.18	2.25
3	1.71	15.42	3.14	15.45	2.95	15.00	2.94	3.01
4	2.14	15.56	3.93	15.55	3.74	15.00	3.70	3.87



* **Blue Bird Conservation:**
 Please Contact: BlueBird@BlueBird.org or www.BlueBird.org
 or www.BlueBird.org
 (800) 444-4444
 or

[illegible]

Company Name : Sayt Risa Construction
 Project : Access Impasse Study From El-Sayt Station to El-Sayt Station (Priority Section 03) - El-Sayt to El-Sayt
 Test Date : 2013/09/23
 Report Date : 2013/09/23
 Location : Station 449+326 to 449+375
 Test No. : 08

Horizontal Static Plate Load Tests of Soils QM.18134

Date issued

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	25.46	0.00	25.20	0.00	25.05	0.26	0.00
1	0.43	25.37	0.09	25.01	0.19	24.86	0.19	0.11
2	0.83	25.30	0.16	24.95	0.25	24.80	0.20	0.16
3	1.24	25.20	0.26	24.87	0.33	24.75	0.21	0.25
4	1.67	25.17	0.43	24.87	0.33	24.75	0.20	0.37
5	2.08	25.05	0.41	24.75	0.25	24.67	0.08	0.41
6	2.50	24.90	1.12	24.75	0.37	24.65	1.10	1.00

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	24.85	1.12	24.75	0.37	24.65	1.10	1.00
2	1.25	24.80	1.04	24.70	0.31	24.60	1.00	0.98
3	0.83	24.75	0.85	24.60	0.20	24.55	0.50	0.85
4	0.43	24.68	0.62	24.57	0.11	24.52	0.08	0.61

Loading Stage (2)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.43	24.75	0.71	24.60	0.20	24.55	0.25	0.59
1	0.83	24.74	0.83	24.60	0.20	24.55	0.20	0.79
2	1.25	24.65	0.90	24.55	0.21	24.50	0.15	0.94
3	1.67	24.60	0.90	24.57	0.05	24.50	0.08	0.94
4	2.08	24.55	1.05	24.50	0.08	24.55	1.05	1.03



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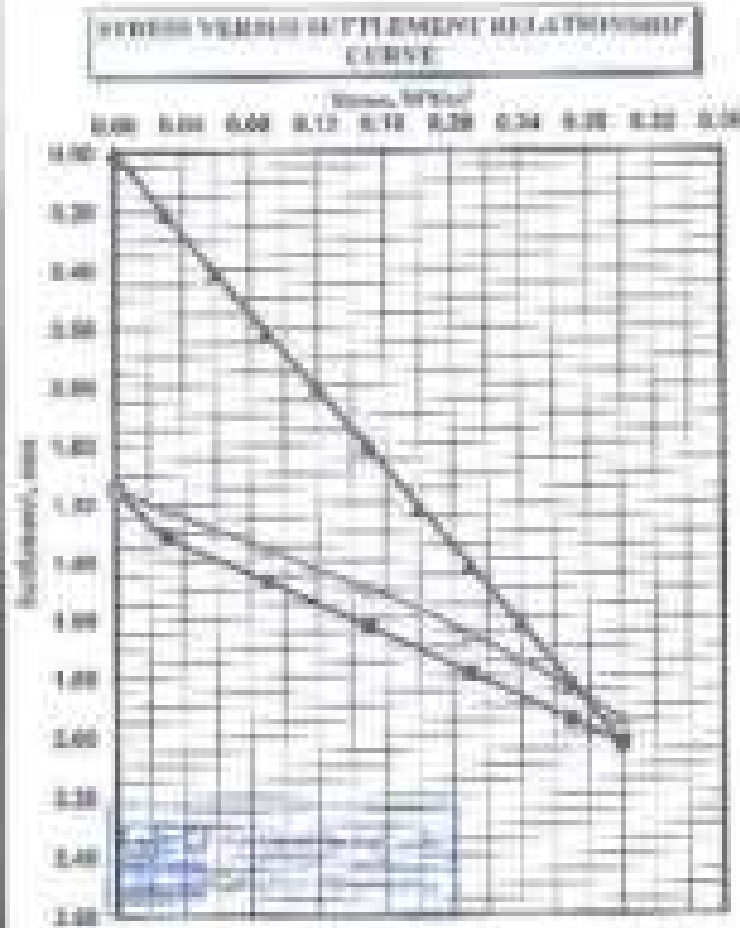


Plate Load Test of Soils
دین ابراهیم

CLIENT: **Iran Min Company**
PROJECT: **Electricity Expansion Train**
LOCATION: **At-Rubia (100-100) - 275 subgrade**
PLATE DIAMETER: **303.17**
PLATE DIAMETER (mm): **75.00**
TYPE OF SOIL: **GRAVELLY SAND, loose state**

TIME START: **10:00 AM**
TIME FINISH: **12:00 PM**
DATE: **6-Apr-12**
LAB REF: **6002**
** State : Sand to Wet

Stress, kN/m^2	Settlement, mm
0.00	0.00
0.05	0.21
0.10	0.41
0.20	0.62
0.37	0.83
0.75	1.06
0.75	1.20
0.75	1.42
0.75	1.62
0.75	1.82
0.75	2.03
0.75	1.85
0.75	1.79
0.75	1.65
0.75	1.47
0.75	1.31
0.75	1.15
0.75	1.22
0.75	1.25
0.75	1.36
0.75	1.43
0.75	1.55
0.75	1.67
0.75	1.75
0.75	1.84
0.75	1.86



STRAIN MODULUS, E_v

	1 at loading	2 at loading
σ_{max}	0.30	0.30
s_1 [mm(kN/m^2)]	0.554	1.567
s_2 [mm(kN/m^2)]	0.515	2.593
E_v [kN/m^2]	83.8	315.1
$E_v(s_1/s_2)$	2.57	

Remarks

1. Loading plate diameter is 303.17 mm
2. Loading plate weight is 1.0 kg
3. Loading plate is made of steel
4. Loading plate is made of steel
5. Loading plate is made of steel
6. Loading plate is made of steel
7. Loading plate is made of steel
8. Loading plate is made of steel
9. Loading plate is made of steel
10. Loading plate is made of steel

MODULUS OF SUB-GRADE REACTION, k_s

$$k_s = \frac{\sigma_{max}}{s_1} = \frac{0.30}{0.554} = 0.54 \text{ MN/m}^3$$

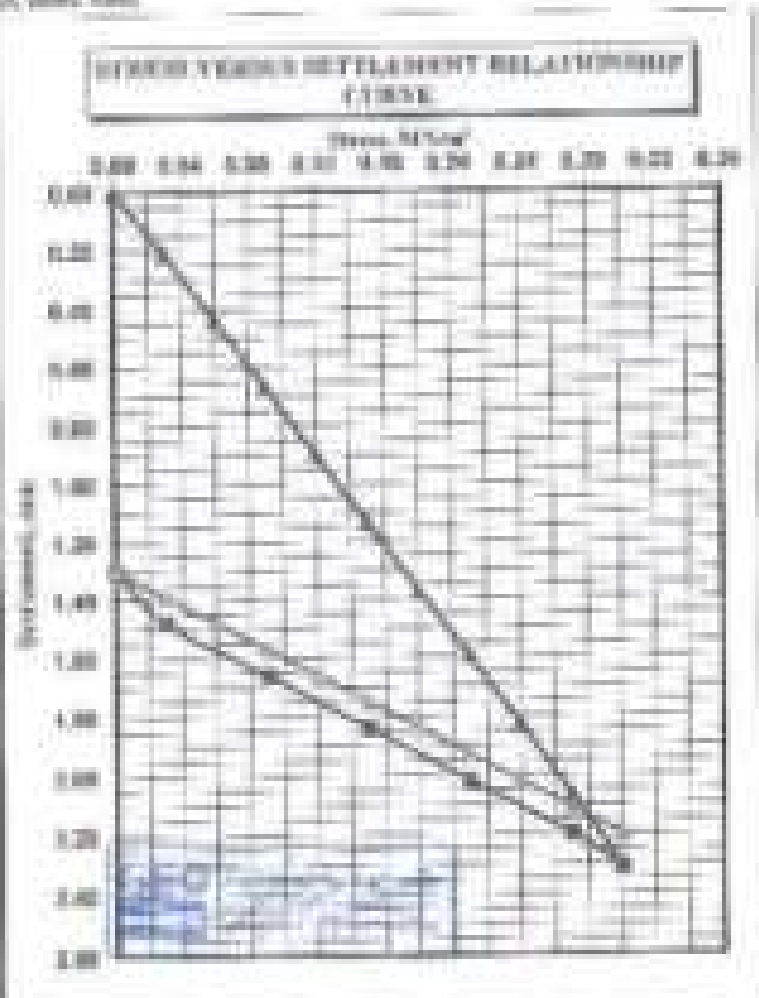


Plate Load Test of soils
DES 18134

CLIENT: Sea View Company
PROJECT: Electric Express Train
LOCATION: Al-Dhura (100' off) - road upgrade
PLATE LOAD NO: PL 1-18
PLATE DIAMETER (inches): 75.00
TYPE OF SOIL: GRAVEL and SAND, very fine

TIME START: 11:00 AM
TIME FINISH: 1:00 PM
DATE: 5-Apr-25
LAB. REF.: 8400
1st Note: Soil is Wet

Stress, ksf/in^2	Settlement, mm
0.00	0.00
0.01	0.21
0.02	0.44
0.03	0.67
0.04	0.89
0.05	1.13
0.06	1.36
0.07	1.60
0.08	1.83
0.09	2.07
0.10	2.31
0.27	2.54
0.21	2.82
0.19	3.04
0.09	3.26
0.03	3.50
0.00	3.75
0.00	4.00
0.00	4.25
0.00	4.50
0.00	4.75
0.00	5.00
0.00	5.25
0.00	5.50
0.00	5.75
0.00	6.00
0.00	6.25
0.00	6.50



STRAIN MODULUS, E_v

	1 st loading	2 nd loading
Q_{max}	0.30	0.30
s_1 [mm/(MN/m ²)]	7.541	3
s_2 [mm/(MN/m ²)]	0.685	0
E_v [MN/m ²]	72.6	187.5
E_v2/E_v1	2.58	

Remarks:

- 1. Average plate diameter of 75.00 in.
- 2. Test conducted in clean air.
- 3. Test performed at a depth of 100' from the existing road surface.
- 4. Test conducted on a gravel and sand soil.
- 5. Test conducted on a gravel and sand soil.
- 6. Test conducted on a gravel and sand soil.
- 7. Test conducted on a gravel and sand soil.
- 8. Test conducted on a gravel and sand soil.

MODULUS OF SUB-GRADE REACTION, K_s

$$K_s = \Delta s / \Delta s_1 = 138.4 \text{ MN/m}^3$$

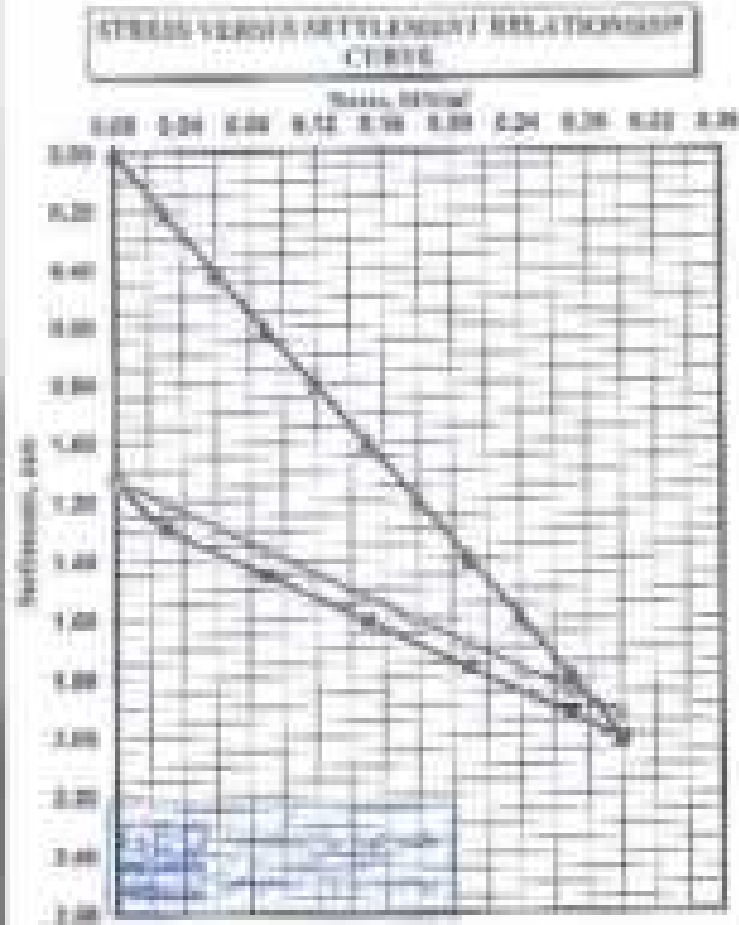


Plate Load Tests of Soils
DIN 18134

CLIENT: **Sea View Company**
PROJECT: **Electric Express Train**
LOCATION: **at Deraa (750+000) - 025 subgrade**
PLATE LOAD NO: **PL-35**
PLATE DIAMETER (mm): **750**
TYPE OF SOIL: **GRAVEL and SAND, coarse fine**

TIME START: **1:00:00 PM**
TIME STOP: **1:00:00 PM**
DATE: **11-Apr-23**
LAB. REF: **0190**
** Note: Soil is Wet

Stress MPa ²	Settlement mm
0.00	0.00
0.05	0.22
0.10	0.41
0.20	0.61
0.42	0.81
0.75	1.00
0.98	1.25
0.21	1.40
0.24	1.60
0.27	1.70
0.30	0.95
0.27	1.85
0.21	1.71
0.15	1.61
0.09	1.45
0.08	1.29
0.05	1.10
0.05	1.21
0.06	1.28
0.09	1.37
0.12	1.46
0.15	1.55
0.18	1.61
0.21	1.69
0.24	1.77
0.27	1.85
0.30	1.92



STRAIN MODULUS, E_v

	1 st loading	2 nd loading
σ_{max}	0.30	0.30
a_1 [mm/(MPa ²)]	6.587	2.667
a_2 [mm/(MPa ² /m ²)]	0.034	0
E_v [MPa ²]	85.5	210.9
E_v/E_v1	2.47	

Remarks:

- 1 Loading plate loaded at correct
- 2 Test device follows DIN 18134
- 3 Test plate with rounded and corner rounding the surface
- 4 Test is performed at the right water content of sample
- 5 Contact area between the plate and soil surface is independent
- 6 Measuring is performed at 20 °C

MODULUS OF SUB-GRADE REACTION, K_R

for 11-Apr-23 **152.0** **MPa/m²**

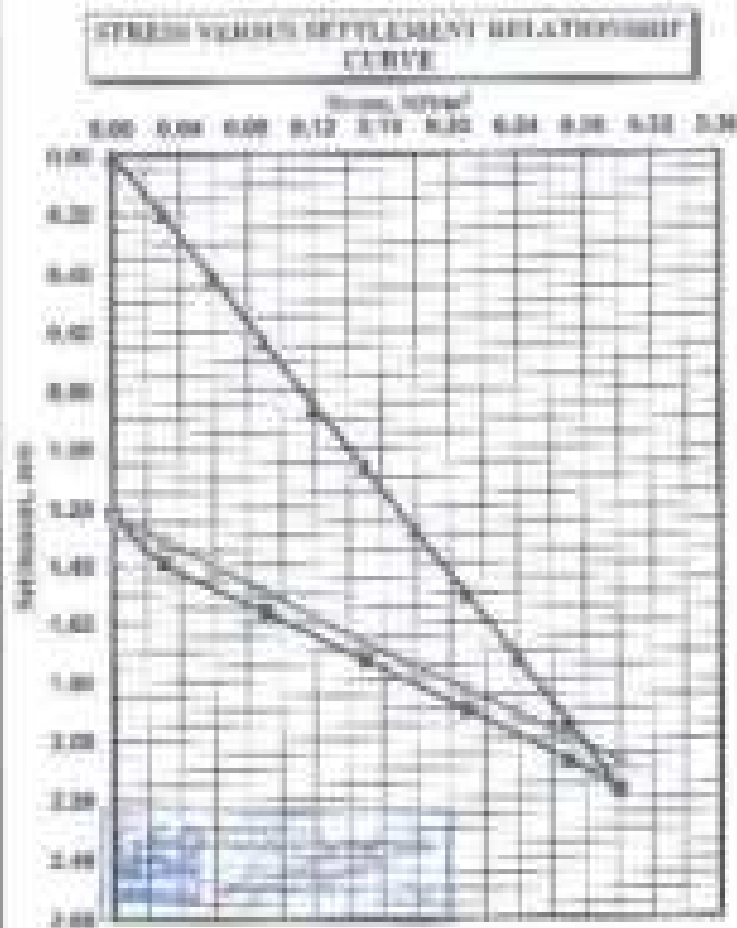


Plate Load Test of Soils
DIN 18334

CLIENT: / **Real Star Company**
PROJECT: / **Electricity Expansion Project**
LOCATION: / **Al-Hadba (19-45) - 100m underground**
PLATE LOAD NO: / **PL-1-10**
PLATE DIAMETER (mm): / **75.00**
TYPIC OF SOIL: / **GRAVEL, coarse SAND, coarse fine**

TIME START: / **1:00:00 PM**
TIME FINISH: / **2:00:00 PM**
DATE: / **8-Apr-23**
LAB REF: / **04001**
**** Note: / Soil is Wet**

Stress kN/m ²	Settlement mm
0.00	0.00
0.03	0.03
0.06	0.04
0.09	0.06
0.12	0.08
0.15	0.09
0.18	0.10
0.21	0.11
0.24	0.12
0.27	0.13
0.30	0.14
0.33	0.15
0.36	0.16
0.39	0.17
0.42	0.18
0.45	0.19
0.48	0.20
0.51	0.21
0.54	0.22
0.57	0.23
0.60	0.24
0.63	0.25
0.66	0.26
0.69	0.27
0.72	0.28
0.75	0.29
0.78	0.30
0.81	0.31
0.84	0.32
0.87	0.33
0.90	0.34
0.93	0.35
0.96	0.36
0.99	0.37



STRAIN MODULUS, E_v

	1 st loading	2 st loading
Q₆₀mm	0.30	0.30
a₁ [mm/(MN/m²)]	7.340	3.117
a₂ [mm/(MN/m²)]	0.121	-0.05
E_v [MN/m²]	17.2	180.4
E_{v2}/E_{v1}	2.57	

REMARKS:

1. Loading plate diameter is 75mm.
2. Test is conducted under static load.
3. All groups will be tested in 10 minutes to ensure the test results.
4. Test is conducted in a standard manner to ensure the test results.
5. Test results are in a good condition and are in the range of 17.2 to 180.4 MN/m².
6. Test results are in a good condition and are in the range of 17.2 to 180.4 MN/m².

MODULUS OF SUB-GRADE REACTION, K_s

K_s = 30/30 = 1.00 MN/m³

Category : Soil Rise Construction

Project : Electricity Expansion Project, Al-Ain Gridlines to Manassah Motorway Priority Section (II)
: Adarrest to Fatha
Subject : Determine the deformation and strength characteristics of soil by the plate loading test according specifications D94 18434.2012-04 and project requirements
Test Location : (440+350 to 440+400)
Test Date : 18/07/2023
Report Date : 17/07/2023
Type of soil : ---
Test level : subgrade
Report No. : 259/262

Dear Gentlemen,

According to the above mentioned subject the test performed as follows:-

Apparatus

1. Loading plates consists of two plates with 600 mm and 300 mm diameter
2. The thickness of plates 30 mm
3. Dial gauges with accuracy 0.01 mm for measuring the settlement
4. Steel strapping/ropes with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 750 bar (checkered)
7. Reaction loading system by roller compactor with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clear the ground in test area to the required level with undisturbed soil
2. Install loading plates 600 mm and 300 mm diameter, hydraulic jack and 3-dial gauges
3. Prior to starting the test, applied preloading about 30 seconds.
4. The dial gauge and the dial gauge shall be set to zero
5. For a 600 mm loading plate, the limit values are $\pm 5 \text{ kg/cm}^2$
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum normal stress is reached.
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be released in 3 stages, to 50 %, 25 %, and approximately 0 % of the maximum load.
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached).
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min.
11. Remove the tests



Report

1. Evaluation and representation of results
2. Load settlement curve
3. The test report contain the following:
 - Location of test site - Dimensions of testing plate
 - Measuring device used - Type of soil
 - Type of bedding material below the plate - Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading settlement curve
 - Description of the soil condition below the plate after testing

Report

Type of soil: subgrade.

- Job requirement: $E_{vd} > 80 \text{ N/mm}^2$ (80 MPa).

Item	Descriptions
Type of bedding material below the plate	Natural Soil
Weather condition	Sunny
Plate Diameter (mm)	300
date of measurement	18/07/2023
Unusual observation made during test	NO
Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results

Test No.	Stress		First Cycle	Second Cycle	E_{vd} (N/mm ²) Ratio
	From	To	E_{vd} (N/mm ²)	E_{vd} (N/mm ²)	
1	449+350	449+375	1872	1411	0.9
2	449+375	449+400	1940	1704	1.1
3	449+400	449+425	1188	1256	1.1
4	449+425	449+450	1254	1382	1.1





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مكتب استشارات الهندسة والاختبار

Company Name : Sam Risa Construction
Project : Electric Cables Test, from Main Station to Main Station Primary Section (B) - Alameda to Bab
Test Code : 160708023
Report Date : 17/07/2023
Location : Station 440+350 to 440+375
Test No. : 89

Noncompetitive Static Plate Load Tests of Soils DM 58134

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	19.35	0.00	19.35	0.00	19.35	0.00	0.00
1	0.42	19.79	0.44	19.80	0.45	19.89	0.48	0.45
2	0.83	19.94	0.59	19.71	0.29	19.94	0.49	0.57
3	1.25	19.30	0.34	19.60	0.49	19.43	0.34	0.40
4	1.67	19.41	0.58	19.49	0.52	19.51	0.50	0.55
5	2.08	19.30	0.79	19.32	0.84	19.30	0.80	0.79
6	2.50	19.18	0.89	19.30	0.89	19.30	0.89	0.89

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.08	19.39	0.64	19.30	0.88	19.30	1.00	0.88
2	1.67	19.29	0.59	19.30	0.79	19.29	0.91	0.80
3	0.83	19.32	0.58	19.30	0.65	19.29	0.79	0.67
4	0.01	19.37	0.79	19.79	0.52	19.39	0.88	0.73

Loading Stage (2)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.39	0.41	19.79	0.30	19.47	0.53	0.41
1	0.83	19.60	0.50	19.65	0.39	19.65	0.60	0.51
2	1.25	19.39	0.81	19.60	0.50	19.39	0.79	0.82
3	1.67	19.27	0.73	19.56	0.42	19.25	0.60	0.73
4	2.08	19.38	0.82	19.39	0.79	19.34	0.88	0.83



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مكتب استشارات الهندسة والمختبرات

Company Name

Project

Test Date

Tested By

Location

Test No.

Test Item Description

Quality Control Tests for all the following items: Minimum Property Factor (F_{cr}) - Maximum Value

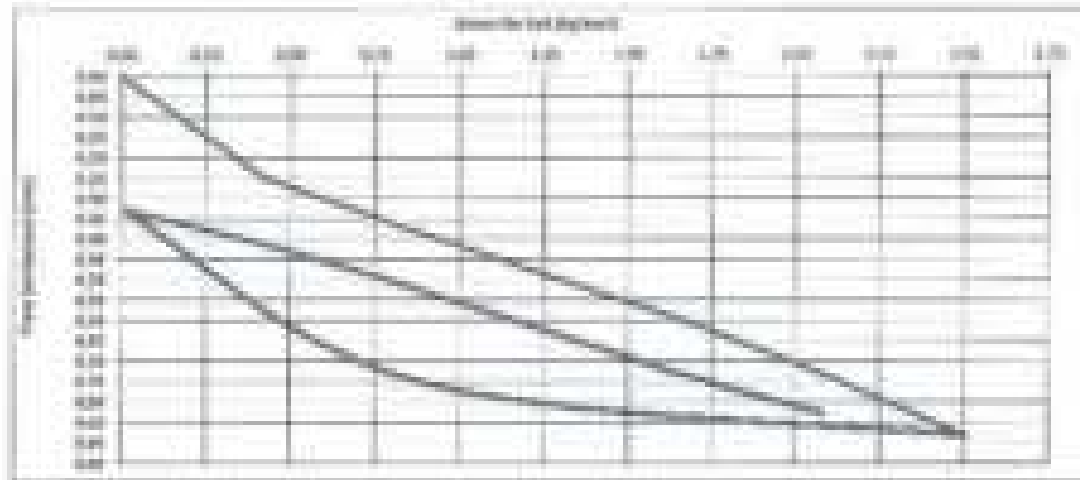
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1/10/2009

Station: 0+000 to 0+100

01

Maximum Value, Date Last Tests at Site 08/10/09



Loading (%)	0	1	2	3	4	5	6
Strength (MPa)	0	1180.00	2360.00	3540.00	4720.00	5900.00	7080.00
Stress (MPa)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement (mm)	0.00	0.05	0.10	0.15	0.20	0.25	0.30

0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Settlement (mm)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Loading (%)	0	1	2	3	4	5	6
Strength (MPa)	0	1180.00	2360.00	3540.00	4720.00	5900.00	7080.00
Stress (MPa)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement (mm)	0.00	0.05	0.10	0.15	0.20	0.25	0.30

0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Settlement (mm)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Loading (%)	1	2	3	4
Strength (MPa)	1180	2360	3540	4720
Stress (MPa)	0.40	0.80	1.20	1.60
Settlement (mm)	0.05	0.10	0.15	0.20

Settlement (mm)	0.05
-----------------	------

0.00 = Results of information during the loading stage

0.00 = Results of information during the following stage

0.00 = Final Results (mm)

0.00 = The difference between 0.00 and 0.00 (for maximum loading stage) (mm)

0.00 = Difference in settlement corresponding to 0.00 and 0.00 (for maximum loading stage)



Company Name : Sam Riba Construction
 Project : Loading Unloading Tests, Item A-401-402 to Item A-404-405 (Sample to Item)
 Test Date : 16/01/2023
 report date : 17/01/2023
 Location : Station 400+070 to 404+400
 Test No. : 82

Noncompetitive Static Plate Load Tests of Soils Item 10134

Date sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	22.00	0.00	22.00	0.00	22.00	0.00	0.00
1	0.42	22.50	0.50	22.72	0.72	22.77	0.77	0.28
2	0.83	23.50	1.50	23.40	1.40	23.44	1.44	0.40
3	1.25	24.00	2.00	23.40	1.40	23.40	1.40	0.53
4	1.67	24.50	2.50	23.20	1.20	23.30	1.30	0.64
5	2.09	24.50	2.50	23.19	1.19	23.20	1.20	0.77
6	2.50	24.00	2.00	23.12	1.12	23.14	1.14	0.87

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.10	24.01	2.01	23.12	1.12	23.14	1.14	0.91
2	1.70	24.00	1.99	23.20	1.20	23.25	1.25	0.83
3	0.825	24.00	1.77	23.20	1.20	23.20	1.20	0.80
4	0.01	24.00	1.48	23.00	1.00	23.00	1.00	0.75

Loading Stage (2)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	23.00	0.00	23.07	0.07	23.00	0.00	0.04
1	0.83	23.00	0.80	23.40	0.34	23.40	0.40	0.50
2	1.25	23.00	0.80	23.30	0.30	23.30	0.30	0.50
3	1.67	23.00	0.80	23.27	0.27	23.30	0.30	0.75
4	2.09	23.00	0.90	23.20	0.20	23.25	0.25	0.81



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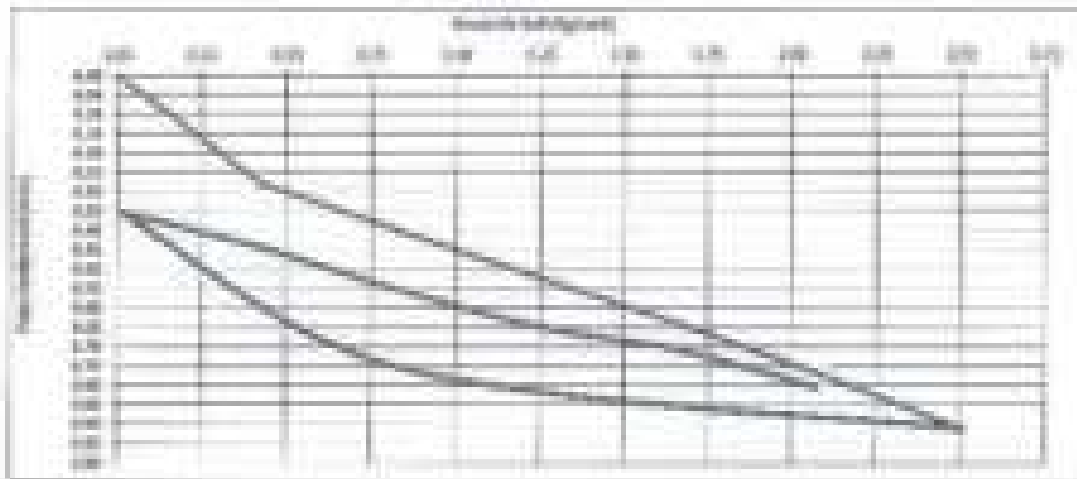
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Sampling (°)	0	9	18	27	36	45	54
Angle (°)	0	110.00	220.00	330.00	440.00	550.00	660.00
Wave (Wavelength)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Distance (m)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

LifeSpan (yr)	0	1	2	3
Worms (Pillbugs)	1.000	0.833	0.769	0.714
Worms (Earthworms)	1.000	1.250	0.625	0.375
Millipedes (milli)	0.000	0.500	0.000	0.000

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Location (S)	1	2	3	4	5	6
Wavelength	6	1190.00	3348.0	3823.0	4776.0	5670.1
Power (Watt/cm ²)	0.05	0.42	0.69	1.29	1.49	1.69
Measurement Error	0.00	0.04	0.05	0.05	0.21	0.04

1	2
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2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602</
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Abstract: *Staphylococcus aureus* is a common cause of nosocomial infections. The purpose of this study was to determine the prevalence of *S. aureus* in the intensive care unit (ICU) of a tertiary care hospital in the city of Bogotá, Colombia. A total of 100 patients were enrolled in the study. The prevalence of *S. aureus* was 100% in the ICU. The most common source of infection was the respiratory tract (80%). The most common risk factor for infection was the use of mechanical ventilation (80%). The most common antibiotic used was vancomycin (80%). The most common resistance pattern was resistance to methicillin (80%).

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Fig. 4. The difference between (2) and (3) over the parameter loading space Θ .

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1995-1996

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

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Company Name : Sun Rise Construction
 Project : Radico Express Tower, from 4th Subarea to 8th, Sherouk Property Sector (B) - Helwan to Fika
 Test Date : 16/07/2023
 report date : 17/07/2023
 Location : Station 443+445 to 449+451
 Test No. : 01

Incremental Static Plate Load Tests of Soils

DR 18134

Data sheet

Loading Stage (1)

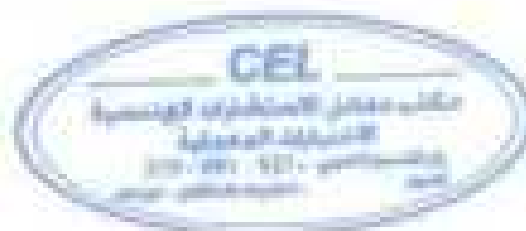
Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.42	10.00	0.14	10.00	0.10	10.00	0.20	0.10
2	0.75	10.07	0.30	10.06	0.30	10.01	0.50	0.30
3	1.20	10.34	0.40	10.07	0.30	10.15	0.87	0.43
4	1.67	10.87	0.60	10.34	0.60	10.30	0.72	0.67
5	2.00	11.10	0.81	10.10	0.80	10.00	0.91	0.80
6	2.50	11.36	0.94	10.07	1.00	10.00	1.00	1.00

Unloading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
1	2.00	11.36	0.94	10.07	1.00	10.00	1.00	1.00
2	1.75	11.10	0.80	10.00	0.80	10.00	0.80	0.80
3	0.920	10.00	0.70	10.10	0.80	10.14	0.80	0.80
4	0.00	10.00	0.40	10.00	0.30	10.00	0.47	0.40

Loading Stage (2)

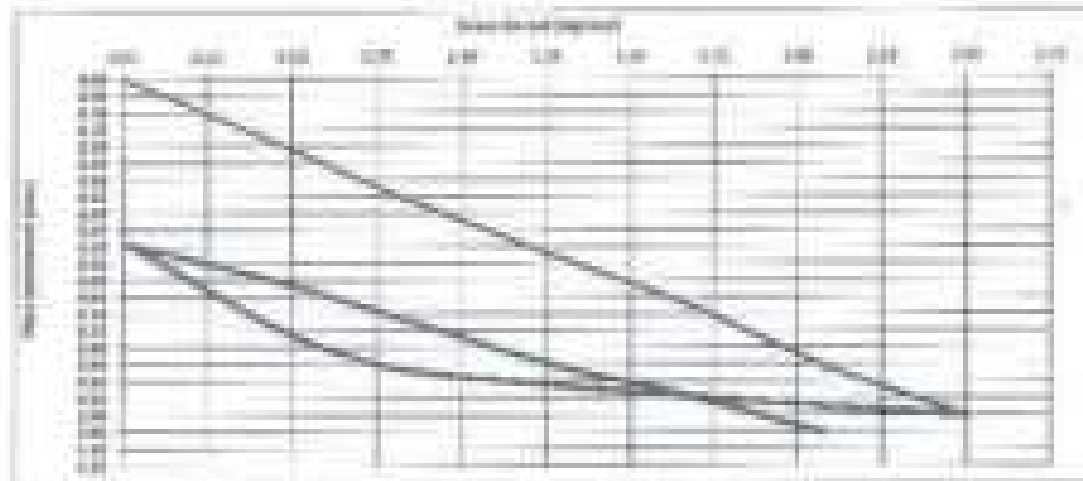
Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.00	10.42	0.00	10.00	0.00	10.40	0.00	0.00
1	0.80	10.40	0.10	10.27	0.70	10.00	0.00	0.70
2	1.20	10.00	0.00	10.10	0.00	10.20	0.70	0.00
3	1.67	10.00	0.04	10.00	0.00	10.00	0.00	0.04
4	2.00	10.00	1.00	10.00	1.00	10.00	1.00	1.00



Company Name:
Project:
Task Title:
Project Code:
Location:
Date Iss.

• Soil Type Classification:
• Current Exposure Time: from Al Ain Building to Bapco Medical Security Service (B) - Alameda for Index
• Lab: 110000
• 11000000
• Station: 400-400 to 400-400
• (B)

Descriptive Data, Plot Load Tests of Soil DS 10129



Loading (k)	0	1	2	3	4	5	6
Weighting	0	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Stress (kg/cm²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Soil (kg/cm²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Soil (kg/cm²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12

Loading (k)	0	1	2	3	4	5	6
Weighting	0	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Stress (kg/cm²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Soil (kg/cm²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Soil (kg/cm²)	0.00	0.02	0.04	0.06	0.08	0.10	0.12

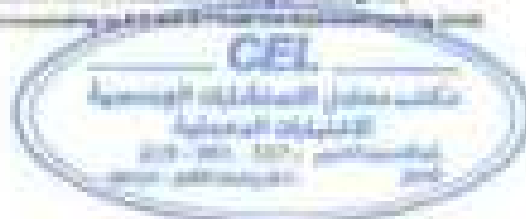
Loading (k)	1	2	3	4
Weighting	1100.00	2200.00	3300.00	4400.00
Stress (kg/cm²)	0.02	0.04	0.06	0.08
Settlement (mm)	0.10	0.20	0.30	0.40

$$S_{avg} = 0.3$$

DS 1 - Descriptive of information during the loading stage.
DS 2 - Descriptive of information during the unloading stage.
S - Plate diameter (mm)

DS 1 - The difference between S and S' from the weighted loading curve (kg/cm²)

DS 2 - Difference in settlement (mm) between S and S' from the weighted loading curve (mm)



Category Name : San Riba Construction
Project : Double Express Train from Al Ain Station to Ain El Helwan Priority Service (2) - Alameda to Fala
Test Date : 18/07/2023
report date : 17/07/2023
Location : Station 440+420 to 440+430
Test No. : 04

Noncompetitive Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (1)

Loading	Stress kN/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.40	15.00	0.20	15.00	0.15	15.15	0.20	0.19
2	0.80	15.00	0.40	15.10	0.30	15.30	0.38	0.38
3	1.20	15.00	0.50	15.10	0.40	15.40	0.48	0.50
4	1.60	15.00	0.70	15.10	0.60	15.55	0.65	0.68
5	2.00	15.10	0.80	15.20	0.60	15.55	0.60	0.63
6	2.40	15.15	1.00	15.30	0.70	15.60	0.68	1.00

Unloading Stage (1)

Loading	Stress kN/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.40	15.25	1.00	15.30	0.70	15.60	0.68	1.00
2	1.20	15.20	0.80	15.25	0.60	15.50	0.68	0.88
3	0.80	15.10	0.64	15.10	0.60	15.30	0.75	0.75
4	0.00	15.00	0.50	15.05	0.45	15.00	0.50	0.50

Loading Stage (2)

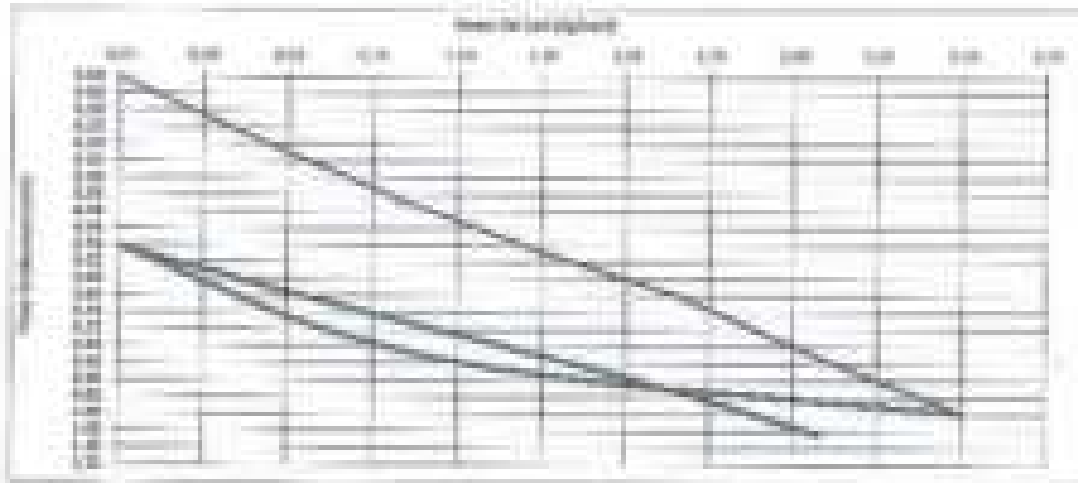
Loading	Stress kN/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.10	0.00	15.40	0.00	15.00	0.00	0.00
1	0.00	15.10	0.70	15.50	0.00	15.00	0.70	0.70
2	1.20	15.10	0.80	15.50	0.70	15.10	0.80	0.80
3	1.60	15.00	0.80	15.50	0.00	15.00	0.80	0.80
4	2.00	15.00	1.00	15.50	1.00	15.00	1.00	1.00



Company Name
Project
Task Title
Report Date
Location
Scale 1:1

New Road Construction
Heavy Duty Road, from Al Ain Station to Sheraton National Training Center (2) - Khamisa in Fala
Materials
10000000
Weight: 2000000 to 2000000
kg

Recommender Heavy Duty Load Tests of Road CEN 18124



Load (kN)	0	1	2	3	4	5	6
Weight (kg)	0	1194.97	2389.94	3584.91	4779.88	5974.85	7169.82
Weight (kg/m²)	0.00	0.10	0.20	0.30	0.40	0.50	0.60
Recommender (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Load (kN)	0	1	2	3	4	5	6
Weight (kg)	0	1194.97	2389.94	3584.91	4779.88	5974.85	7169.82
Weight (kg/m²)	0.00	0.10	0.20	0.30	0.40	0.50	0.60
Recommender (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Load (kN)	0	1	2	3	4	5	6
Weight (kg)	0	1194.97	2389.94	3584.91	4779.88	5974.85	7169.82
Weight (kg/m²)	0.00	0.10	0.20	0.30	0.40	0.50	0.60
Recommender (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Load (kN)	0	1	2	3	4	5	6
Weight (kg)	0	1194.97	2389.94	3584.91	4779.88	5974.85	7169.82
Weight (kg/m²)	0.00	0.10	0.20	0.30	0.40	0.50	0.60
Recommender (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Load (kN)	0	1	2	3	4	5	6
Weight (kg)	0	1194.97	2389.94	3584.91	4779.88	5974.85	7169.82
Weight (kg/m²)	0.00	0.10	0.20	0.30	0.40	0.50	0.60
Recommender (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

- 0.1 - Distance of deformation during the loading stage
- 0.2 - Distance of deformation during the following stage
- 0.3 - Total distance (mm)
- 0.4 - The difference between 0.1 and 0.2 from the maximum loading (mm)
- 0.5 - Distance of deformation corresponding to 0.1 (mm)



Category : Soil Bear Construction

Project : Faweh Express Train, Al Ain (Subject to Mansi Mounir Priority Order) (B)
- Alameda to Foka
Subject : Determine the deformation and strength characteristics of soil by the plate loading test according specifications: DIN 18134:2013-04 and project requirements.
Test Location : Station 400+120 to 400+250
Test Date : 11/12/2023
Report Date : 03/03/2023
Type of soil : —
Test level : prepared subgrade .
Report No. : 122-128

Dear Gentlemen,

According to the above mentioned subject the test performed as follows :

Apparatus

1. Loading plates consists of two plates with 800 mm and 300 mm diameter
2. The thickness of plates 20 mm
3. Dial gauges with sensitivity 0.01 mm to measuring the settlement
4. Steel straightedge with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 750 Max (Inches)
7. Reaction loading system by roller compactor with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clean the ground on test area to the required level with undisturbed soil
2. Install loading plates 800 mm and 300 mm diameter, hydraulic jack and 1 dial gauges
3. Prior to starting the test applied preloading about 30 seconds.
4. The strain gauge and the dial gauge shall be set to zero
5. For a 800 mm loading plate, the test values are 2.5 kg/cm^2
6. The test shall be applied in six stages, in approximately equal increments, until the required maximum normal stress is reached.
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be released in 3 stages, to 60 % , 35 %, and approximately 2 % of the maximum load
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the intermediate stage of the first cycle (so that the full load is not reached)
10. At each stage the test shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min.
11. Remove the loads



Report

1. Evaluation and representation of results
2. Load Settlement curve
3. The test report contain the following:
 - Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of bedding material below the plate - Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading-settlement curve
 - Description of the soil condition below the plate after testing

Report

Type of soil: prepared subgrade .

- Job requirement: $E_{v2} \geq 600 \text{ Kg/cm}^2$ (60 MPa)

Item	Descriptions
- Type of testing material below the plate	Natural Soil
- Weather condition	Fairly Sunny
- Plate Diameter (mm)	300
- Date of measurements	07/03/2023
- Unusual observation made during test	NO
- Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results:

Test No.	Station		First Cycle	Second Cycle	E_{v2} Ratio
	From	To	E_{v1} (kg/cm ²)	E_{v2} (kg/cm ²)	
1	450+125	450+150	1887	2143	1.3
2	450+155	450+175	1897	2143	1.3
3	450+175	450+200	1218	1552	1.3
4	450+200	450+225	1800	1288	0.7
5	450+225	450+250	1324	1552	1.3

Signature /

Company Name : Sam Rice Construction
Project : Sheikh Zayed Road, from Al Ain Bridge to Airport (Phase 1) - Section 10 (100m)
Test Item : 05/0020003
Report Date : 09/0020003
Location : Station 408+120 to 408+128
Test No. : 01

Nondestructive Static Plate Load Tests of Soils CPT 10120

Date: 09/0020003

Loading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.00	0.20	10.00	0.20	10.00	0.20	0.20
2	0.80	10.00	0.30	10.00	0.30	10.00	0.30	0.30
3	1.20	10.00	0.40	10.00	0.40	10.00	0.40	0.40
4	1.60	10.00	0.45	10.00	0.50	10.00	0.50	0.47
5	2.00	10.00	0.48	10.00	0.55	10.00	0.60	0.51
6	2.50	10.00	0.70	10.00	0.85	10.00	1.00	0.85

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	2.50	10.00	0.70	10.00	0.85	10.00	0.90	0.85
2	1.20	10.00	0.70	10.00	0.80	10.00	0.80	0.80
3	0.80	10.00	0.60	10.00	0.80	10.00	0.70	0.70
4	0.01	10.00	0.40	10.00	0.50	10.00	0.60	0.50

Loading Stage (2)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.80	10.00	0.70	10.00	0.80	10.00	0.70	0.70
2	1.20	10.00	0.80	10.00	0.70	10.00	0.80	0.80
3	1.60	10.00	0.80	10.00	0.80	10.00	0.80	0.80
4	2.00	10.00	1.00	10.00	0.80	10.00	1.00	1.00



Dept. Name: _____
 Student Name: _____
 Date: _____
 Page: _____

www.csl-saudi.com

Company Name : Sam River Construction
Project : North Egypt, Taha, New Al-Mat Station to New Matruh Port, Station (B) - Station (C) Road
Test Date : 07/03/2022
report date : 08/03/2022
Location : Station 450+150 to 450+175
Test No. : 02

Noncompetitive Static Plate Load Tests of Soils DN 19134

Data sheet

Loading Stage (1)

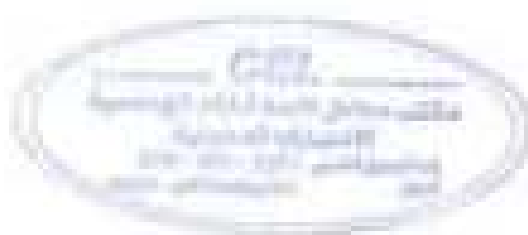
Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.00	19.00	0.00	19.00	0.00	19.00	0.00	0.00
1	0.40	19.75	0.75	19.74	0.74	19.72	0.76	0.76
2	0.80	19.71	0.71	19.60	0.60	19.69	0.61	0.72
3	1.20	19.58	0.58	19.44	0.44	19.40	0.58	0.70
4	1.60	19.44	0.44	19.39	0.39	19.36	0.54	0.67
5	2.00	19.40	0.40	19.37	0.37	19.35	0.47	0.60
6	2.50	19.35	0.35	19.27	0.27	19.34	0.31	0.50

Unloading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
1	0.40	19.22	0.78	19.17	0.83	19.20	0.91	0.83
2	1.20	19.19	0.72	19.09	0.91	19.14	0.86	0.80
3	0.800	19.10	0.89	19.00	0.89	19.14	0.79	0.71
4	0.50	19.19	0.80	19.07	0.83	19.00	0.88	0.59

Loading Stage (2)

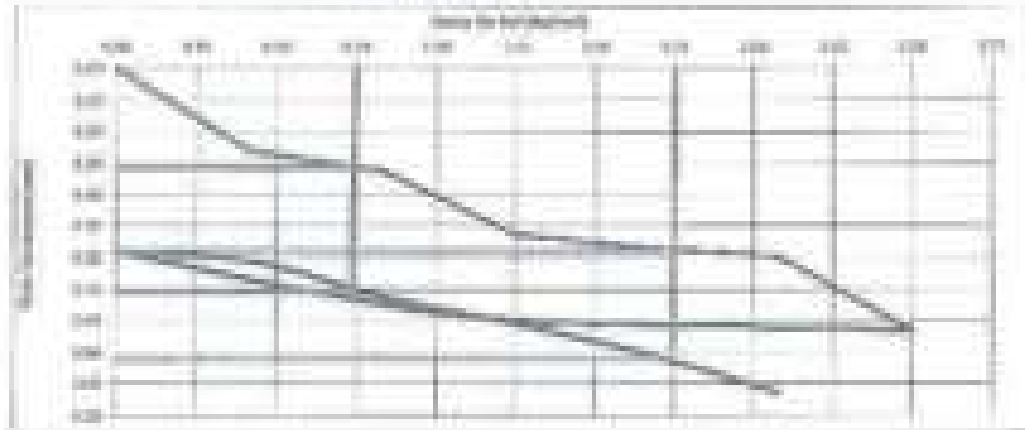
Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.40	19.31	0.69	19.40	0.59	19.36	0.64	0.61
1	0.80	19.09	0.70	19.30	0.69	19.27	0.73	0.72
2	1.20	19.02	0.89	19.00	0.71	19.08	0.84	0.81
3	1.60	19.00	0.88	19.17	0.83	19.07	0.93	0.88
4	2.00	18.97	1.00	19.07	0.99	19.00	1.07	1.00



Company Name
Project
Task Name
Report Date
Location
Scale

1. Test Area Description
2. Test Equipment Used: Test Area: Submarine Slurry (Material: Slurry) (Slurry: Slurry)
3. Test Results
4. Test Results (see page 100)
5. Test Results

Representative Static Plate Load Tests of Soils (see page 100)



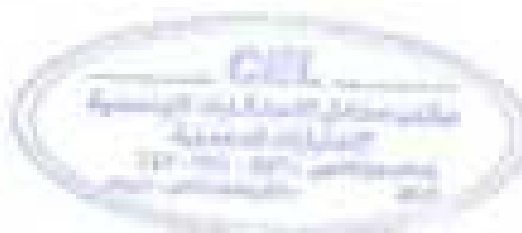
Load (kN)	0	1	2	3	4	5	6
Settlement (mm)	0	100.00	100.00	100.00	100.00	100.00	100.00
Settlement (mm)	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Load (kN)	0	1	2	3
Settlement (mm)	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00

Load (kN)	0	1	2	3	4	5	6
Settlement (mm)	0	100.00	100.00	100.00	100.00	100.00	100.00
Settlement (mm)	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Settlement (mm)

Settlement (mm) is the difference between the settlement of the test area and the settlement of the surrounding area.
Settlement (mm) is the difference between the settlement of the test area and the settlement of the surrounding area.
Settlement (mm) is the difference between the settlement of the test area and the settlement of the surrounding area.
Settlement (mm) is the difference between the settlement of the test area and the settlement of the surrounding area.
Settlement (mm) is the difference between the settlement of the test area and the settlement of the surrounding area.



Contracting Master : Sun Rise Construction,
Project : Sheikh Zayed Road, from Al Ain Station to Abu Dhabi Airport (Km 25) - Abu Dhabi (U.A.E.)
Test Date : 07/03/2022
Report Date : 08/04/2022
Location : Station 0+00+170 to 0+00+200
Test No. : 03

Hummer/Bore Static Plate Load Tests of Soils DHS 13134

Date sheet

Loading Stage (1)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.40	15.00	0.08	15.00	0.09	15.00	0.10	0.14
2	0.80	15.00	0.15	15.00	0.17	15.00	0.21	0.26
3	1.20	15.00	0.24	15.00	0.40	15.00	0.40	0.30
4	1.60	15.00	0.48	15.00	0.55	15.00	0.55	0.50
5	2.00	15.00	0.57	15.00	0.70	15.00	0.80	0.71
6	2.40	15.00	0.75	15.00	0.84	15.00	0.91	0.84

Unloading Stage (1)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	2.40	15.00	0.75	15.00	0.84	15.00	0.91	0.84
2	1.20	15.00	0.71	15.00	0.75	15.00	0.80	0.75
3	0.80	15.00	0.40	15.00	0.74	15.00	0.80	0.75
4	0.00	15.00	0.38	15.00	0.40	15.00	0.40	0.41

Loading Stage (2)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.40	15.00	0.08	15.00	0.09	15.00	0.10	0.09
1	0.80	15.00	0.09	15.00	0.09	15.00	0.09	0.09
2	1.20	15.00	0.10	15.00	0.09	15.00	0.09	0.10
3	1.60	15.00	0.08	15.00	0.08	15.00	0.08	0.08
4	2.00	15.00	0.07	15.00	0.09	15.00	0.07	0.08



[illegible]

٢ في المائة - الأطفال
الزمالك - القاهرة
تليفون : فاكس : ٠١١٧٣٦٩٨١ - ٠١١٧٣٦٩٨٢
www.madinetnews.com

Company Name : Suez Canal Construction
 Project : Suez Canal Tunnels, from 41 Km Station to Suez, Mileage (Party Station 25) - Reported by Italy
 Test Date : 22/05/2022
 Report Date : 28/05/2022
 Location : Station 458+290 to 459+222
 Test No. : 04

Noncompetitive Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (I)

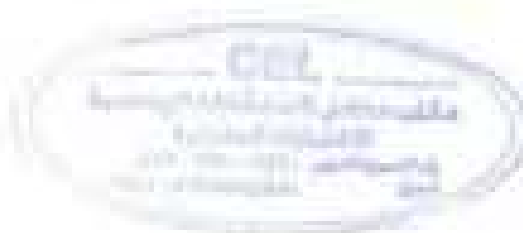
Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.35	0.00	15.35	0.00	15.35	0.00	0.00
1	1.47	15.36	0.14	15.35	0.20	15.36	0.23	0.12
2	2.93	15.32	0.38	15.35	0.35	15.33	0.36	0.38
3	4.39	15.19	0.68	15.35	0.39	15.34	0.68	0.59
4	5.85	15.45	0.57	15.34	0.58	15.32	0.68	0.56
5	7.31	15.25	0.71	15.32	0.68	15.35	0.70	0.63
6	8.77	15.25	0.88	15.35	0.81	15.37	0.83	0.76

Unloading Stage (I)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	7.31	15.32	0.68	15.35	0.81	15.33	0.83	0.76
2	5.85	15.32	0.73	15.35	0.93	15.32	0.76	0.80
3	4.39	15.34	0.68	15.32	0.43	15.35	0.71	0.63
4	2.93	15.34	0.42	15.35	0.25	15.33	0.38	0.38

Loading Stage (II)

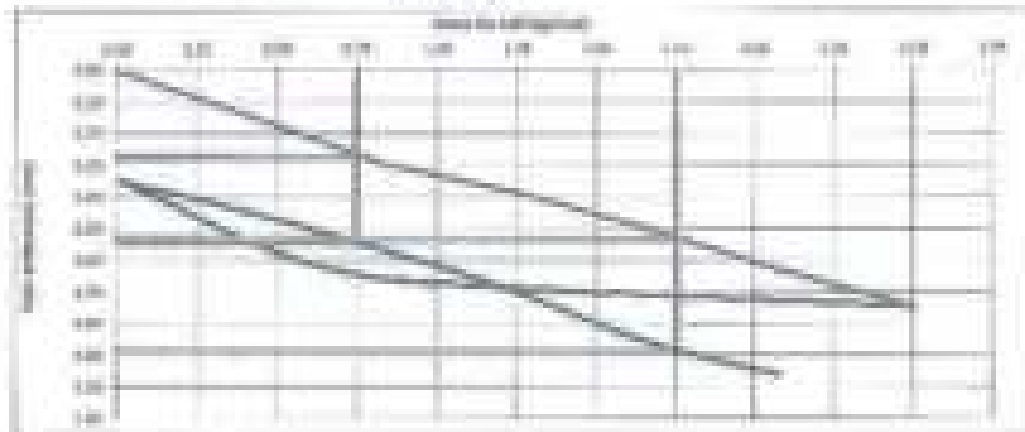
Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.41	0.00	15.40	0.21	15.34	0.48	0.43
1	0.93	15.31	0.88	15.32	0.43	15.33	0.58	0.57
2	1.86	15.29	0.82	15.40	0.57	15.38	0.71	0.70
3	2.79	15.35	0.86	15.32	0.70	15.34	0.84	0.86
4	3.72	15.41	1.07	15.32	0.90	15.38	0.92	0.98



Computer Name:
Project:
Test Date:
March 2009
Location:
Test No.:

• Run Time Description:
• Results Summary Table, Refer to the following table. Details in Study Table (B) - Summary Table
• Reference:
• Summary Table (Table A) and (B)
• 08

**Compressive Tests, Peak Load Levels of Tests
B/A, B/C, D**



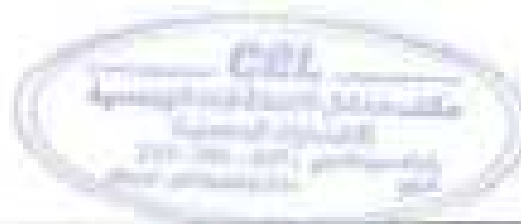
Loading (kN)	B	C	D	E	F	G	H
Applied	0	1500.00	2000.00	2500.00	3000.00	3500.00	4000.00
Stress (MPa)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Strain (mm/mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
E (kN/mm²) = 100		F (kN/mm²) = 100		G (kN/mm²) = 100		H (kN/mm²) = 100	
Concrete = 25.0 MPa		Concrete = 25.0 MPa		Concrete = 25.0 MPa		Concrete = 25.0 MPa	

Test Loading (kN)	B	C	D	E
Applied	1500	2000	2500	3000
Stress (MPa)	0.01	0.02	0.03	0.04
Strain (mm/mm)	0.01	0.02	0.03	0.04

Loading (kN)	B	C	D	E	F	G	H
Applied	0	1500.00	2000.00	2500.00	3000.00	3500.00	4000.00
Stress (MPa)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Strain (mm/mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
E (kN/mm²) = 100		F (kN/mm²) = 100		G (kN/mm²) = 100		H (kN/mm²) = 100	
Concrete = 25.0 MPa		Concrete = 25.0 MPa		Concrete = 25.0 MPa		Concrete = 25.0 MPa	

Table 1: 01

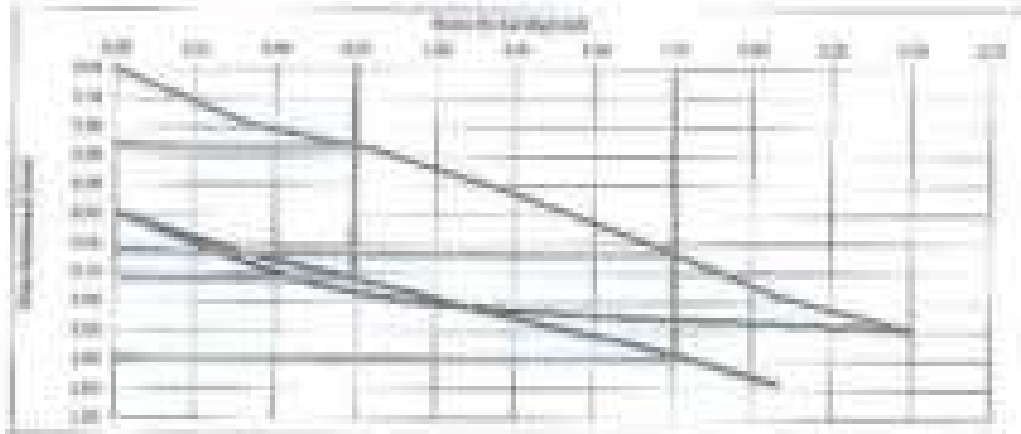
Ref: 1- Results of information during the testing stage.
Ref: 2- Results of information during the following stage.
B: Test Results (mm)
C: The difference between B and D from the maximum loading (mm)
D: The difference in results corresponding to B and D from the maximum loading (mm)



Design Name:
Project:
Type: **Soil**
Report No.:
Location:
Scale:

Soil Data Description:
Particle Size Distribution: Based on the following data: Maximum Particle Size (mm): 0.075 mm
Minimum Particle Size (mm): 0.075 mm
Maximum Particle Size (mm): 0.075 mm
Minimum Particle Size (mm): 0.075 mm

Relationships Between Plastic Limit, Liquid Limit, and Shrinkage Limit
EN 12184



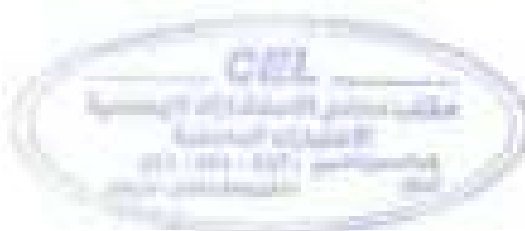
Soil Type (F)	1	2	3	4	5	6	7
Plasticity	0	100.00	100.00	100.00	100.00	100.00	100.00
Shrinkage (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shrinkage Limit (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Soil Type (F)	1	2	3	4
Plasticity	100.00	100.00	100.00	100.00
Shrinkage (%)	0.00	0.00	0.00	0.00
Shrinkage Limit (%)	0.00	0.00	0.00	0.00

Soil Type (F)	1	2	3	4	5	6	7
Plasticity	0	100.00	100.00	100.00	100.00	100.00	100.00
Shrinkage (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shrinkage Limit (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Shrinkage Limit (%)

PL = Plastic Limit (shrinkage limit) during the testing stage.
LL = Liquid Limit (shrinkage limit) during the testing stage.
SL = Shrinkage Limit (shrinkage limit) during the testing stage.
SL = Shrinkage Limit (shrinkage limit) during the testing stage.
SL = Shrinkage Limit (shrinkage limit) during the testing stage.



Company : Sun Rise Construction

Project : Electric Express Train, Al Ain Station to Marsa Matruh Priority Sector (II)
 Address : Fuka
 Subject : Determine the deformation and strength characteristics of soil by the plate loading test according specifications 104.18034.2012-04 and project requirements
 Test Location : Station 449+000 to 449+005
 Test Date : 23/03/2023
 Report Date : 30/03/2023
 Type of soil : ———
 Test level : prepared subgrade
 Report No. : 100/388

Dear Gentleman,

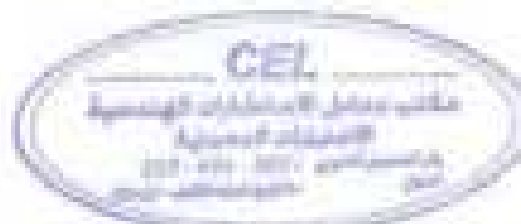
According to the above mentioned subject the test performed as follows :

Apparatus

1. Loading plates consists of two plates with 400 mm and 300 mm diameter
2. The thickness of plates 20 mm
3. Dial gauges with accuracy 0.01 mm to measuring the settlement
4. Steel straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 750 bar (linear)
7. Reaction loading system by roller support with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clean the ground on test area to the required level with undisturbed soil
2. Install loading plates, 400 mm and 300 mm diameter, hydraulic jack and 1 dial gauges
3. Prior to starting the test applied preloading about 20 seconds.
4. The strain gauge and the dial gauge shall be set to zero
5. For a 400 mm loading plate, the first values are 3.5 kpa/cm²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum nominal stress is reached
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be released in 5 stages, to 50 %, 25 %, and approximately 0 % of the maximum load
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached).
10. In each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min
11. Repeat the tests



Report

1. Evaluation and representation of results
 2. Load/Settlement curve
 3. The test report content the following:-
- Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of loading material below the plate - Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding vertical stress - Loading/settlement curve
 - Description of the soil condition below the plate after testing

Report

Type of soil: prepared subgrade .

- Job requirement: $E_{vd} > 600 \text{ Kg/cm}^2$ (60 MPa).

Item	Descriptions
- Type of loading material below the plate	Natural Soil
- Weather condition	Partly Sunny
- Plate Diameter (mm)	600
- Date of measurement	25/03/2013
- Unusual observation made during test	NO
- Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results

Test No.	Station		First Cycle	Rebound Cycle	E_{vd} / E_{vc} Ratio
	From	To	E_{vd} (kg/cm ²)	E_{vc} (kg/cm ²)	
1	440+225	440+250	1154	1723	1.5
2	440+000	440+025	1154	2045	1.7
3	440+025	440+050	1218	2045	1.7
4	440+000	440+075	1154	2143	1.8
5	440+075	440+050	1432	2068	1.8
6	440+050	440+025	1154	1807	1.7

Signature /



Company Name : **Real Time Construction**
 Project : **Shadi Basha - 7th, New Helwan Suburb in Shadi Basha Primary Sector (2) - Helwan City**
 Test Date : **2019/2022**
 Report Date : **2019/2022**
 Location : **Station 445-125 to 449-250**
 Test No. : **88**

Unconfined Static Plate Load Tests of Soils DM 18734

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.50	40.00	0.00	40.00	0.00	40.00	0.00	0.00
1	0.80	39.80	0.20	39.70	0.21	39.84	0.21	0.18
2	0.90	39.80	0.21	39.80	0.27	39.87	0.29	0.26
3	1.20	39.32	0.68	39.48	0.54	39.50	0.55	0.57
4	1.50	39.00	0.90	39.10	0.70	39.20	0.87	0.88
5	2.00	38.10	0.90	38.12	0.88	38.14	0.88	0.88
6	2.50	36.61	0.99	36.60	1.00	36.60	0.98	1.00

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	36.60	0.99	36.60	1.00	36.60	0.98	1.00
2	1.20	39.00	0.90	39.00	1.00	39.00	0.98	0.98
3	0.90	39.80	0.82	39.80	0.94	39.80	0.90	0.90
4	0.80	39.70	0.47	39.60	0.38	39.60	0.50	0.50

Loading Stage (2)

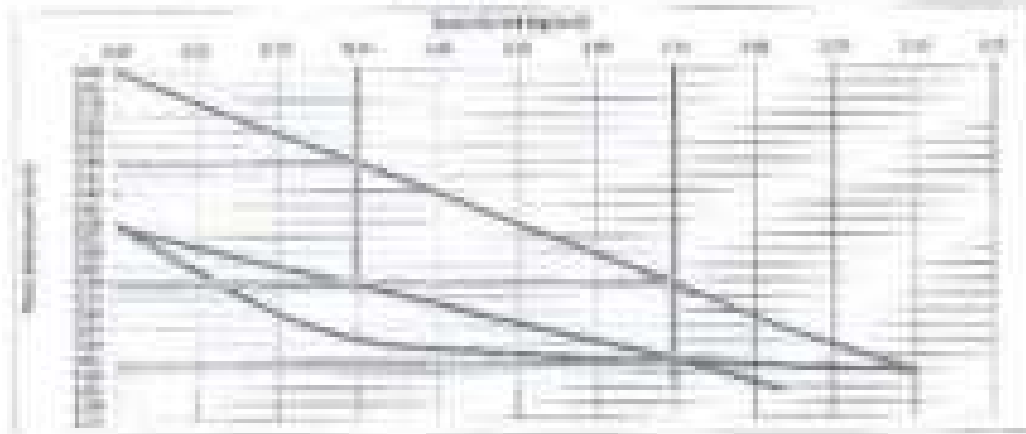
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.40	39.10	0.00	39.10	0.00	39.10	0.00	0.00
1	0.80	38.70	0.40	38.70	0.77	38.77	0.73	0.73
2	1.00	38.00	0.80	38.14	0.86	38.10	0.88	0.84
3	1.07	38.10	0.88	38.00	0.88	38.00	0.84	0.84
4	2.00	36.50	1.07	36.50	1.10	36.50	1.00	1.00



Company Name
Page No
Test Date
Report No
Location
Test No

1 Test Data Description
2 Test Results Table
3 Test Results Table
4 Test Results Table
5 Test Results Table
6 Test Results Table
7 Test Results Table
8 Test Results Table
9 Test Results Table
10 Test Results Table

Thermocouple Data, Data Load, Tests of Data
000, 1000



Load (W)	0	1	2	3	4	5	6
Power (W)	0	100.00	100.00	100.00	100.00	100.00	100.00
Power (W)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Power (W)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Load (W)	0	1	2	3
Power (W)	0.00	0.00	0.00	0.00
Power (W)	0.00	0.00	0.00	0.00
Power (W)	0.00	0.00	0.00	0.00

Load (W)	0	1	2	3	4	5	6
Power (W)	0	100.00	100.00	100.00	100.00	100.00	100.00
Power (W)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Power (W)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00 0.00

1) A table of data for the test results.
2) A table of data for the test results.
3) A table of data for the test results.
4) A table of data for the test results.
5) A table of data for the test results.
6) A table of data for the test results.
7) A table of data for the test results.
8) A table of data for the test results.
9) A table of data for the test results.
10) A table of data for the test results.



Company Name: | Sert Rice Construction
Project: | Station Square from Area A to the Station to the Station (Station Square Station 2) - Station to Station
Test Date: | 29/03/2023
Report Date: | 29/03/2023
Location: | Station 440+000 to 444+000
Test No: | 42

Recessed Static Plate Load Tests of Soils DN 18134

Data sheet

Loading Stage (1)

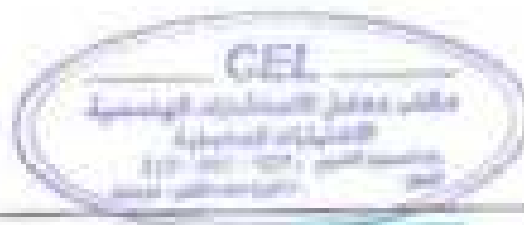
Loading	Stress kg/cm ²	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
			mm		mm		mm	
0	0.00	25.00	0.00	25.00	0.00	25.00	0.00	0.00
1	0.42	25.01	0.18	25.01	0.25	25.01	0.28	0.21
2	0.83	25.02	0.33	25.02	0.38	25.02	0.39	0.33
3	1.25	25.03	0.52	25.03	0.57	25.03	0.58	0.53
4	1.67	25.04	0.61	25.04	0.73	25.04	0.87	0.67
5	2.08	25.05	0.74	25.05	0.80	25.05	0.83	0.81
6	2.50	25.07	0.98	25.07	0.97	25.07	0.98	0.93

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
			mm		mm		mm	
1	2.50	25.08	0.95	25.08	0.97	25.08	0.99	0.95
2	1.25	25.08	0.83	25.08	0.83	25.08	0.76	0.81
3	0.83	25.08	0.71	25.08	0.77	25.08	0.68	0.72
4	0.42	25.08	0.58	25.08	0.45	25.08	0.47	0.50

Loading Stage (2)

Loading	Stress kg/cm ²	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
			mm		mm		mm	
0	0.42	25.08	0.62	25.08	0.68	25.08	0.39	0.60
1	0.83	25.08	0.68	25.08	0.68	25.08	0.61	0.60
2	1.25	25.08	0.73	25.08	0.88	25.08	0.82	0.79
3	1.67	25.08	0.77	25.08	0.88	25.08	0.82	0.80
4	2.08	25.08	0.82	25.08	0.88	25.08	0.81	0.84



Company Name : Sami Wase Construction
 Project : Modern Fourteen Tests, District 14a, Station 14a, Station 14a, Station 14a, Station 14a, Station 14a
 Test Date : 25/03/2023
 Report Date : 26/03/2023
 Location : Station 440+000 to 440+000
 Test No. : 03

Microtensile Static Plate Load Tests of Soils CPM 10124

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
			mm		mm		mm	
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.42	15.00	0.20	15.10	0.20	15.00	0.24	0.20
2	0.85	15.00	0.34	15.10	0.40	15.00	0.30	0.30
3	1.28	15.00	0.30	15.00	0.30	15.00	0.20	0.20
4	1.67	15.10	0.40	15.10	0.74	15.15	0.60	0.30
5	2.06	15.10	0.62	15.15	0.60	15.00	0.60	0.60
6	2.50	15.10	0.60	15.00	0.60	15.00	0.60	0.60

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
			mm		mm		mm	
1	2.50	15.00	0.60	15.10	0.60	15.00	0.60	0.60
2	1.28	15.00	0.30	15.00	0.30	15.00	0.30	0.30
3	0.85	15.00	0.20	15.10	0.30	15.00	0.30	0.30
4	0.42	15.00	0.20	15.10	0.20	15.00	0.20	0.20

Loading Stage (2)

Loading	Stress kg/cm ²	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
			mm		mm		mm	
0	0.42	15.00	0.20	15.10	0.20	15.00	0.20	0.20
1	0.85	15.00	0.40	15.10	0.40	15.00	0.40	0.40
2	1.28	15.10	0.70	15.10	0.80	15.00	0.60	0.60
3	1.67	15.10	0.80	15.00	0.80	15.00	0.80	0.80
4	2.06	15.00	0.80	15.00	1.00	15.00	1.00	1.00



Company Sheet

Project

Test Date

Report No.

Location

Test No.

Test Data Characteristics

Material: Concrete Tests: Compression Test: Standard: Egyptian Standard (S.E.) - Approved by S.A.S.

Specimen

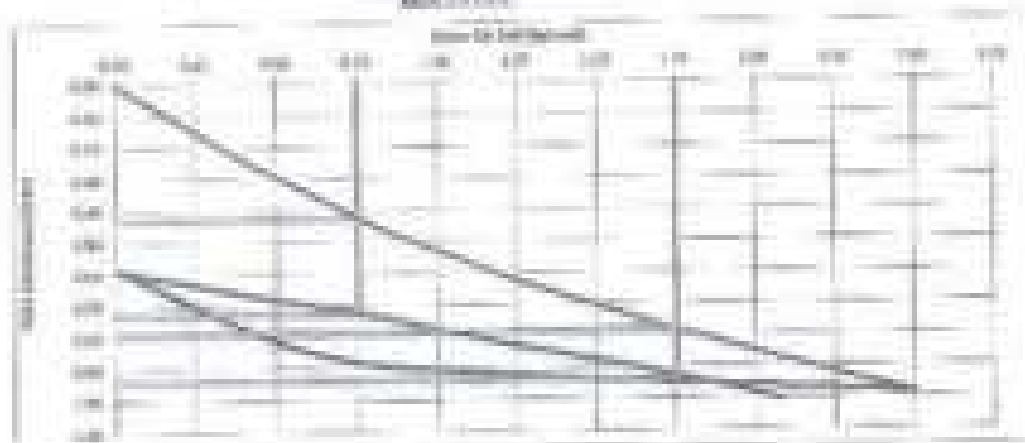
Condition

Number of Test Results

or

Maximum Value of Test Load (kN)

or (MPa)



Location (L)	1	2	3	4	5	6	7
Strength	1	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test Loading (L)	1	2	3	4
Strength	1000	1000	1000	1000
Displacement (mm)	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00

Location (L)	1	2	3	4	5	6	7
Strength	1	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Displacement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Result (L) = 1.1

SL1 = Maximum of displacement during the loading stage

SL2 = Maximum of displacement during the unloading stage

SL3 = SL1 - SL2 (mm)

SL4 = The difference between SL1 and SL2 from the uppermost loading stage (mm)

SL5 = Difference in settlement corresponding to SL1 and SL2 from the unloading loading stage



Company Name : I-Sun Nile Construction
 Project : Water Supply Water from El-Maadia to El-Maadia (Water Supply Project II) - El-Maadia to El-Maadia
 Test Date : 29/03/2023
 Report Date : 06/03/2023
 Location : Station 400+300 to 400+075
 Test No : 88

Nonreversive Static Pipe Load Tests of Bells QH.10134

Data sheet

Loading Stage (1)

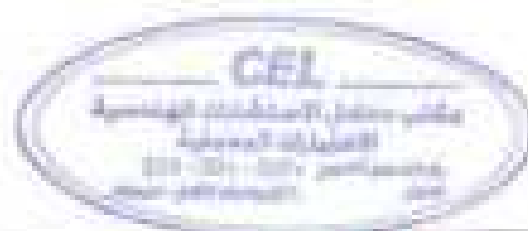
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	25.25	0.00	25.25	0.00	25.25	0.00	0.00
1	0.40	25.77	0.52	25.75	0.50	25.75	0.51	0.51
2	0.80	26.61	0.36	26.58	0.40	26.57	0.37	0.37
3	1.20	26.45	0.27	26.38	0.40	26.40	0.33	0.34
4	1.60	26.34	0.70	26.26	0.80	26.25	0.77	0.76
5	2.00	26.00	0.92	25.92	0.80	25.92	0.90	0.90
6	2.50	25.93	1.07	25.85	1.11	25.85	1.09	1.09

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.00	26.35	1.07	26.28	1.11	26.25	1.09	1.09
2	1.20	26.45	1.00	26.38	1.07	26.37	0.97	0.98
3	0.80	26.58	0.90	26.50	0.87	26.50	0.84	0.85
4	0.40	26.75	0.62	26.70	0.60	26.68	0.60	0.60

Loading Stage (2)

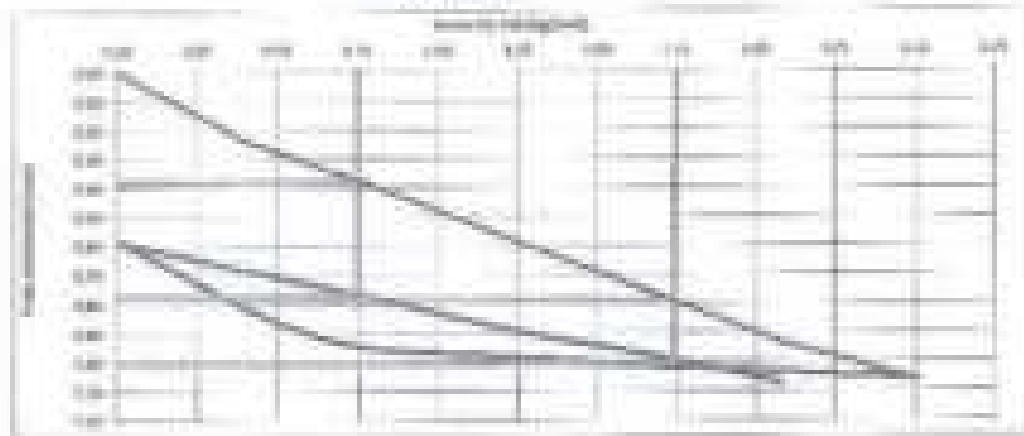
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.40	26.25	0.52	26.25	0.51	26.25	0.51	0.50
1	0.80	26.57	0.80	26.57	0.82	26.56	0.79	0.79
2	1.20	26.85	0.95	26.78	0.87	26.79	0.91	0.90
3	1.60	26.99	1.03	26.87	1.03	26.92	0.98	0.98
4	2.00	26.99	1.12	26.90	1.03	26.95	0.98	1.07



1. **Company Name**
 2. **Address**
 3. **City**
 4. **State**
 5. **Zip**
 6. **Phone**

Book Price Comparison:
 The title appears to be "The Book of the Dead" by James M. Smith, published by Harper & Row.
 The price listed is \$19.95.
 ISBN: 0-06-018888-8

Herbert Hoover, Director, Federal Bureau of Investigation
1934-1935



Location(s)	1	2	3	4	5	6
Chengdu	1	1000.00	1000.00	1000.00	1000.00	1000.00
Guangzhou	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Shanghai	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Beijing	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Totals	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00

Indicator (I)	0	1	2	3
Temperature	19.07	20.07	21.06	21
Relative humidity	61.97	71.70	81.22	89.99
Soil moisture (mm)	1.79	6.79	10.97	10.70

Variable	1	2	3	4	5	6
Proportion	0	0.0000	0.0000	0.0000	0.0000	0.0000
Mean (Expected)	0.00	0.00	0.00	0.00	0.00	0.00
Standard Error	0.00	0.00	0.00	0.00	0.00	0.00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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(b) Difference in improvement during the training stage
 (c) Difference in improvement during the breeding stage
 (d) First-litterer group
 (e) The difference between (b) and (c) (i.e., the combined breeding period effect)
 (f) Difference in improvement corresponding to (b) and (c) from the previous breeding



Contractor Name: Sun Rise Construction
Project: Newcomer Hospital, Road At Abu Basma Suburb, Mansoura Primary Sector (B) - Mansoura City
Test Date: 28/03/2023
Report Date: 28/03/2023
Location: Station 48+075 to 48+080
Test No: 05

Noncompression Static Plate Load Tests of Soils QIN 10134

Date sheet

Loading Stage (1)

Loading	Stress Kps/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.42	10.00	0.14	10.00	0.16	10.00	0.14	0.15
2	0.83	10.15	0.27	10.15	0.27	10.00	0.24	0.28
3	1.25	10.00	0.34	10.00	0.43	10.00	0.30	0.43
4	1.67	10.00	0.47	10.00	0.59	10.00	0.40	0.50
5	2.08	10.00	0.59	10.00	0.82	10.00	0.74	0.64
6	2.50	10.00	0.69	10.00	0.78	10.00	0.60	0.70

Unloading Stage (1)

Loading	Stress Kps/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	2.50	10.00	0.68	10.00	0.78	10.00	0.67	0.70
2	1.25	10.00	0.40	10.00	0.70	10.00	0.70	0.71
3	0.83	10.00	0.24	10.00	0.60	10.00	0.70	0.64
4	0.42	10.00	0.14	10.00	0.38	10.00	0.38	0.41

Loading Stage (2)

Loading	Stress Kps/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.42	10.00	0.01	10.00	0.01	10.00	0.00	0.00
1	0.83	10.00	0.09	10.00	0.05	10.00	0.08	0.08
2	1.25	10.00	0.00	10.00	0.00	10.00	0.00	0.00
3	1.67	10.00	0.72	10.00	0.60	10.00	0.70	0.70
4	2.08	10.00	0.68	10.00	0.70	10.00	0.60	0.68





Consulting Engineering Bureau & Laboratories

مكتب محاسن الاستشارات الهندسية

Company Name : Sam Hiss Construction
 Project : Sheikh Fawzan Road, from 10th Station to New Almalki Primary Station (B) - Riyadh to Jeddah
 Test Date : 28/03/2023
 Report Date : 28/03/2023
 Location : Station 409-410 to 410/423
 Test No : 06

Nonpenetration Static Plate Load Tests of Soils
CNN 10126

Data sheet

Loading Stage (I)

Loading	Stress kg/cm ²	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
			mm		mm		mm	
0	0.00	19.49	0.00	19.50	0.00	19.50	0.00	0.00
1	0.42	19.75	0.38	19.80	0.50	19.88	0.42	0.38
2	0.83	19.89	0.88	19.95	0.93	19.95	0.74	0.84
3	1.25	19.94	1.38	19.91	0.89	19.93	0.98	0.88
4	1.67	19.93	1.78	19.90	0.85	19.98	0.80	0.70
5	2.09	19.98	2.04	19.90	1.09	19.90	0.80	0.84
6	2.50	19.98	0.94	19.87	1.13	19.90	0.84	0.87

Unloading Stage (I)

Loading	Stress kg/cm ²	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
			mm		mm		mm	
1	2.09	19.98	0.94	19.87	1.13	19.94	0.84	0.87
2	1.25	19.94	0.87	19.90	0.89	19.93	0.78	0.87
3	0.83	19.95	0.79	19.94	0.89	19.93	0.71	0.77
4	0.42	19.84	0.47	19.81	0.59	19.82	0.58	0.49

Loading Stage (II)

Loading	Stress kg/cm ²	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
			mm		mm		mm	
0	0.42	19.49	0.38	19.49	0.52	19.59	0.44	0.39
1	0.83	19.49	0.69	19.49	0.79	19.43	0.59	0.69
2	1.25	19.49	0.79	19.49	0.83	19.52	0.71	0.79
3	1.67	19.44	0.83	19.49	0.89	19.49	0.84	0.89
4	2.09	19.44	0.89	19.49	0.90	19.49	0.82	0.89



[illegible]

(a) = Number of observations during the leading stage.
 (b) = Number of observations during the following stage.
 (c) = Stage difference (in d).
 (d) = The difference between $\bar{L}_1$ and $\bar{L}_2$ from the greatest leading onset (age²).
 (e) = Difference in $\bar{L}_1$ and $\bar{L}_2$ components of $\bar{L}_1$ and $\bar{L}_2$ from the greatest leading onset.





Name: _____
 Roll No.: _____
 Date: _____
 Page: _____



The graph shows the relationship between current and voltage in a welding process. The curve starts at (0,0), rises steeply to about (10, 35), then gradually decreases to about (80, 25), and finally rises slightly to (100, 30).



Signature: _____
 Date: _____

Figure 1: Graph showing the relationship between current and voltage in a welding process.

Current (A)	Voltage (V)	Power (W)	Heat (J)	Time (s)	Distance (mm)	Speed (mm/s)
0	0	0	0	0	0	0
10	35	350	3500	10	10	1
20	30	600	6000	20	20	1
30	25	750	7500	30	30	1
40	20	800	8000	40	40	1
50	15	750	7500	50	50	1
60	10	600	6000	60	60	1
70	5	350	3500	70	70	1
80	2	160	1600	80	80	1
90	1	90	900	90	90	1
100	0	0	0	100	100	1

The graph shows the relationship between current and voltage in a welding process. The curve starts at (0,0), rises steeply to about (10, 35), then gradually decreases to about (80, 25), and finally rises slightly to (100, 30).

The graph shows the relationship between current and voltage in a welding process. The curve starts at (0,0), rises steeply to about (10, 35), then gradually decreases to about (80, 25), and finally rises slightly to (100, 30).

Year	Number of cases	Number of deaths
1990	1,000	100
1991	1,200	120
1992	1,500	150
1993	1,800	180
1994	2,000	200
1995	2,200	220
1996	2,500	250
1997	2,800	280
1998	3,000	300
1999	3,200	320
2000	3,500	350
2001	3,800	380
2002	4,000	400
2003	4,200	420
2004	4,500	450
2005	4,800	480
2006	5,000	500
2007	5,200	520
2008	5,500	550
2009	5,800	580
2010	6,000	600
2011	6,200	620
2012	6,500	650
2013	6,800	680
2014	7,000	700
2015	7,200	720
2016	7,500	750
2017	7,800	780
2018	8,000	800
2019	8,200	820
2020	8,500	850

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[illegible]

10

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Journal of Internal Medicine 247: 105–112

Good or [unclear]

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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1999												
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THE CALCULATIONS ARE BEING MADE BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST)

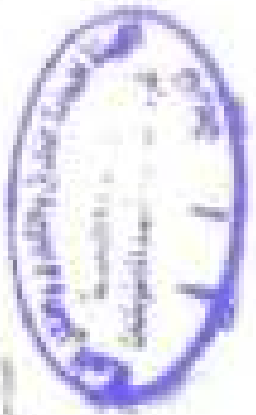
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998												
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NOTE: The above data is for the year 2000 only. The data for the years 2001 through 2030 is not available.

THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST)

For more information, please contact the NIST National Institute of Standards and Technology (NIST) at 1001 DuPont Circle, NW, Washington, DC 20036-5890. Telephone: (301) 975-3000. Fax: (301) 975-2850. E-mail: nist@nist.gov. Website: www.nist.gov.



Company : Sea Rise Construction

Project : Elkhay Elgarni Train, Al-Ain Subject to Marine Mammals Priority Sector (II)
Alarim to Fuha
 Subject : Determine the deformation and strength characteristics of soil by the plate
loading test according specifications (EN 18134:2013-04 and project requirements)
 Test Location : (440+200 to 440+400)
 Test Date : 14/06/2023
 Report Date : 15/06/2023
 Type of soil : ---
 Test level : Sub ballast
 Report No. : 242-247

Dear Construction,

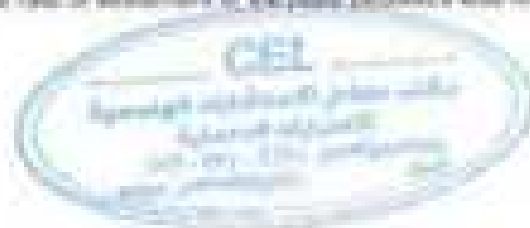
According to the above mentioned subject the test performed as follows:-

Equipment

1. Loading plates consists of two plates with 600 mm and 300 mm diameter
2. The thickness of plates 20 mm
3. Dial gauges with accuracy 0.01 mm to measuring the settlement
4. Steel straightedges with magnetic supports to hold the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 700 mm (Erection)
7. Reaction loading system by steel concrete with weight approximately 12 ton
8. Calibration certificates are attached

Test Procedure

1. Clear the ground on test area to the required level with undisturbed soil
2. Install loading plates 600 mm and 300 mm diameter, hydraulic jack and 3 dial gauges
3. Prior to starting the test applied preloading about 30 seconds
4. The strain gauge and the dial gauge shall be set to zero
5. For a 600-mm loading plate, the test values are 1.5 kg/cm²
6. The load shall be applied to six stages, in approximately equal increments, until the required maximum normal stress is reached.
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be released in 3 stages, to 60 %, 30 %, and approximately 2 % of the maximum load
9. Following unloading, a further (20%) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached)
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.01 mm/min
11. Remove the loads



Record

1. Evaluation and representation of results
2. Load Settlement curve
3. The test report contains the following:
 - Location of test site - Dimensions of loading plate
 - Measuring device used - Type of soil
 - Type of bedding material below the plate - Weathering condition
 - Test and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading-settlement curve
 - Description of the soil condition below the plate after testing

Report

Type of soil: Sub Surface.

- Job requirement: $E_{v2} > (1.20 \text{ MPa})$, $E_{v2} \geq (306 \text{ Mpa})$ and $(E_{v2}/v_{15} \geq 2.2)$.

Item	Description
Type of bedding material below the plate	Natural Soil
Weather condition	Sunny
Plate Diameter (mm)	600
Date of measurement	25/05/2023
Unusual observation made during test	NO
Description of the soil conditions below the plate after testing	No Disturbance

Evaluation and representation of results

Test No.	Station		First Cycle	Second Cycle	E_{v1} / E_{v2} Ratio
	From	To	E_{v1} (kg/cm ²)	E_{v2} (kg/cm ²)	
1	440+350	440+325	1321	1887	1.4
2	440+325	440+300	1380	1498	1.1
3	440+250	440+275	1851	1884	1.2
4	440+275	440+300	1397	2028	1.5
5	440+300	440+325	1408	1432	1.0
6	440+325	440+350	1182	1432	1.2
7	440+350	440+375	1882	1432	1.3
8	440+375	440+400	1318	1432	1.1



Company Name	: Sun Rise Construction
Project	: Electric Pigeon Feeds, Sun Rise Station to Pigeon, Harrow Priority Order (S) - Access to Feeds
Test Date	: 15/06/2021
Report Date	: 15/06/2021
Location	: Station 449-292 to 449-293
Test No.	: 01

Noncompetitive State Plate Load Tests of Soils

Comments:

Lowest Rate: 1.99%

Loading	Stress N/mm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.42	10.00	0.10	10.00	0.11	10.00	0.10	0.11
2	0.83	10.00	0.34	10.70	0.33	10.70	0.30	0.30
3	1.25	10.12	0.40	10.60	0.37	10.70	0.35	0.40
4	1.67	10.00	0.60	10.50	0.50	10.30	0.40	0.50
5	2.09	10.04	0.80	10.37	0.83	10.23	0.70	0.70
6	2.50	10.13	0.87	10.30	0.70	10.00	0.61	0.60

Understanding the Role of the

Leading	Stress K_g/cm^2	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	3.30	10.11	0.27	10.24	0.75	10.09	0.81	0.28
2	7.25	10.20	0.80	10.11	0.89	10.10	0.84	0.78
3	9.825	10.08	0.72	10.46	0.67	10.25	0.75	0.69
4	9.97	10.00	0.40	10.12	0.39	10.10	0.40	0.37

Loading Stage (2)

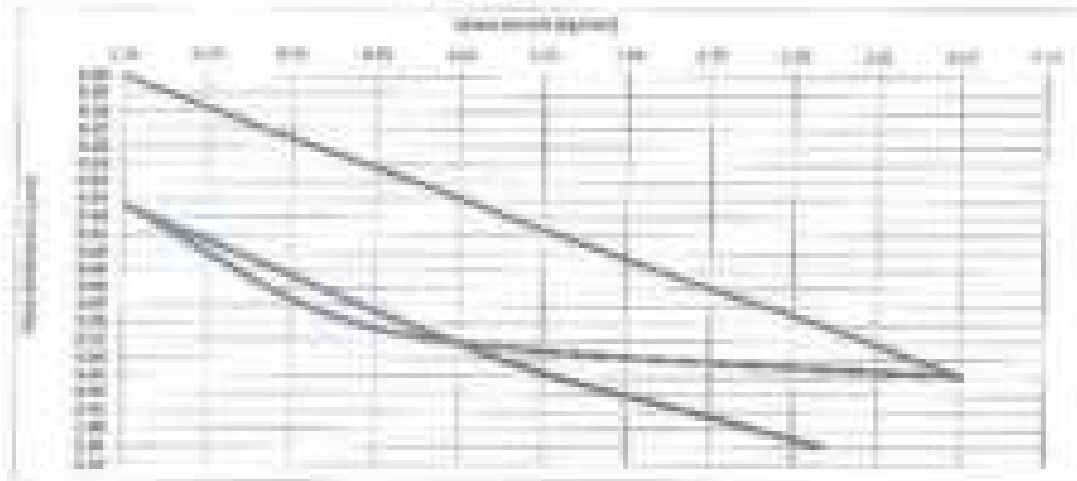
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	15.46	0.56	15.54	0.66	15.43	0.59	0.53
1	0.81	16.27	0.73	16.36	0.84	16.28	0.72	0.70
2	1.23	16.83	0.88	17.01	0.79	16.82	0.89	0.89
3	1.67	17.00	0.89	17.11	0.89	17.04	0.89	0.84
4	2.05	18.00	1.11	18.04	0.94	18.00	1.07	1.00



Company Name
Project
Date Issue
Report No.
Location
Test No.

For New Construction
Shear Strength Tests, from At the bottom to Above Natural Ground Surface (q) + Above to Fold
Dimensions
400x400
Depth: 400 mm to 400 mm
No.

Compressive Shear Tests Load Versus Time (kN, sec)



Loading (%)	0	1	2	3	4	5	6
Shear (kN)	0	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Time (sec)	0.00	0.05	0.10	0.15	0.20	0.25	0.30
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Settlement (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Loading (%)	0	1	2	3	4	5	6
Shear (kN)	0	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Time (sec)	0.00	0.05	0.10	0.15	0.20	0.25	0.30
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Settlement (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Loading (%)	0	1	2	3	4
Shear (kN)	0	1100.00	2200.00	3300.00	4400.00
Time (sec)	0.00	0.05	0.10	0.15	0.20
Settlement (mm)	0.00	0.00	0.00	0.00	0.00

Settlement (%)

Cell = Volume of information during the loading stage.
q = Volume of information during the loading stage.
q + Above to Fold

q = the difference between q and q + Above to Fold from the maximum loading (peak) stage.

q = the difference of settlement of the specimens q and q + Above to Fold from the maximum loading stage.



Abstract

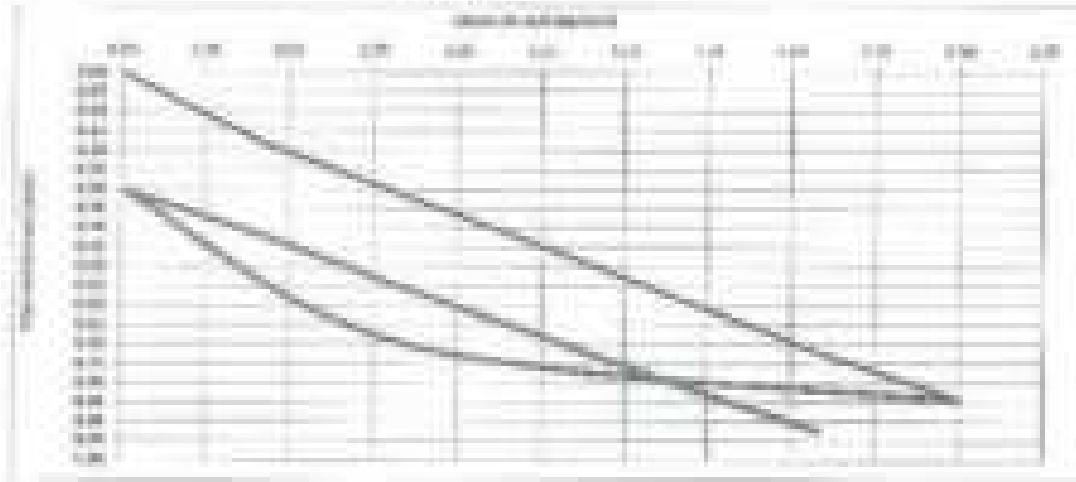
Loading	Stress Kg/cm ²	Strain-1	Settlement mm	Strain-2	Settlement mm	Strain-3	Settlement-4	Average
0	0.42	15.40	0.50	15.40	0.57	15.41	0.39	1.43
1	0.83	16.87	0.83	16.36	0.58	16.87	0.33	1.55
2	1.25	18.34	0.74	18.34	0.62	18.31	0.56	1.68
3	1.67	19.81	0.88	19.54	0.75	19.07	0.89	1.81
4	2.09	21.28	0.99	20.36	0.85	20.09	0.97	1.93



Working Name:
Project:
Test Date:
Report No.:
Location:
Author:

Test Title Description:
Dynamic Response Test, from Motor Building to Motor without Primary Building (g) + Kinematic Pulse
Date: 2022/05/25
Time: 10:00 AM
Duration: 400/100 to 400/100
No.

Resonance Data Plot Load Factor of 1.0 009.18534



Load Factor	0	1	2	3	4	5	6
Response	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Force Response	0.00	0.00	0.00	1.20	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Load Factor	0	1	2	3	4
Response	0.00	1000.00	1000.00	1000.00	1000.00
Force Response	0.00	1.20	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00

Load Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Response = 0.00

Load Factor	0	1	2	3	4	5	6
Response	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Force Response	0.00	0.00	0.00	1.20	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Load Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Set = Settle of settlement during the loading stage.
Fut = Settle of settlement during the unloading stage.
D = Data Sample Size

DL = The difference between d and d' from the maximum loading point (g/1000)

DL = difference in settlement corresponding to 0.2 and 0.4 from the maximum loading point



Company Name : Sam Rice Construction
 Project : Sheikh Faisal Test, Road (M. Al- Saboun to Bani- Babtain) Priority Section (B) - Alwadi to Bani
 Test Date : 14/06/2023
 report date : 15/06/2023
 Location : Station 449+250 to 449+275
 Test No : 83

North-south Static Plate Load Tests at Soils QDN 12124

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.01	15.35	0.00	15.35	0.00	15.35	0.00	0.00
1	0.43	15.44	0.12	15.45	0.28	15.45	0.18	0.17
2	0.83	15.71	0.23	15.66	0.34	15.59	0.21	0.26
3	1.25	15.62	0.18	15.54	0.46	15.37	0.43	0.42
4	1.67	15.55	0.49	15.46	0.61	15.43	0.57	0.58
5	2.09	15.38	0.64	15.31	0.89	15.32	0.88	0.87
6	2.61	15.21	0.78	15.27	0.83	15.16	0.84	0.82

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.01	15.32	0.78	15.37	0.83	15.16	0.84	0.82
2	1.35	15.50	0.78	15.38	0.74	15.25	0.75	0.73
3	0.623	15.45	0.59	15.39	0.81	15.37	0.82	0.80
4	0.01	15.75	0.30	15.48	0.32	15.48	0.32	0.31

Loading Stage (2)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	15.45	0.43	15.44	0.46	15.48	0.55	0.45
1	0.82	15.47	0.55	15.43	0.87	15.37	0.83	0.58
2	1.25	15.34	0.84	15.32	0.88	15.44	0.79	0.89
3	1.67	15.24	0.75	15.25	0.81	15.35	0.85	0.81
4	2.08	15.34	0.84	15.44	0.87	15.44	0.82	0.88





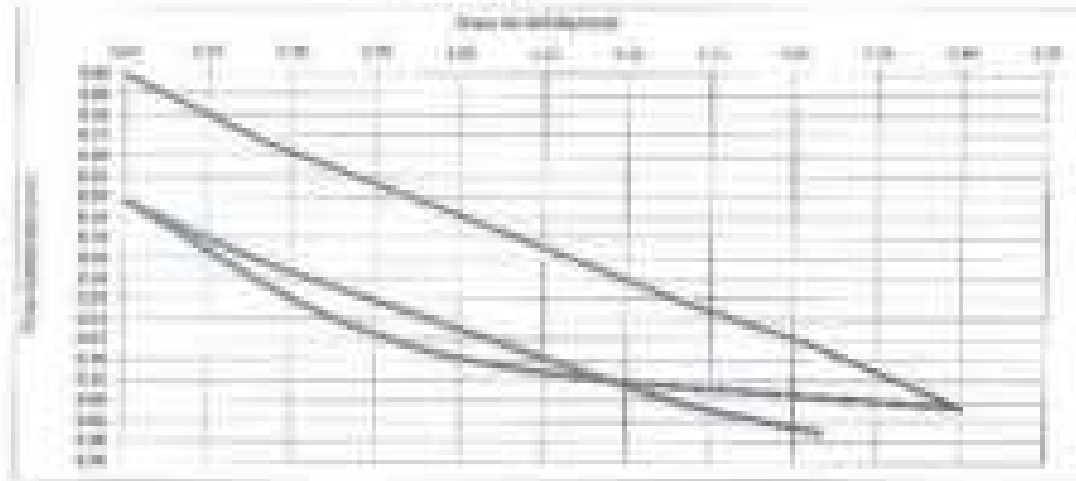
Consulting Engineering Division & Laboratories

قسم الاستشارات الهندسية والمختبرات

Company Name:
Project:
Task Name:
Report No.:
Location:
Ref. No.:

Job Name: Compression
Client: Egyptian Tarmac, located at the address in Manual Material Property Section (B) - Materials in Tarmac
Reference:
Revision: 001/000 to 001/010
Date:

Representative Stress-Strain Test Results of Soils (200 MPa)



Loading (1)	1	2	3	4	5	6	7
Stress (MPa)	0	1100.04	2200.08	3300.12	4400.16	5500.20	6600.24
Strain (%)	0.00	0.42	0.84	1.26	1.68	2.10	2.52
Settlement (mm)	0.00	0.17	0.34	0.51	0.68	0.85	1.02

Unloading (A)	1	2	3	4
Stress (MPa)	6600.24	5500.20	4400.16	3300.12
Strain (%)	2.52	2.10	1.68	1.26
Settlement (mm)	0.85	0.71	0.58	0.45

Unloading (B)	0.00	0.42	0.84	1.26	1.68	2.10	2.52
Settlement (mm)	0.00	0.17	0.34	0.51	0.68	0.85	1.02

Settlement (mm)	0.85
-----------------	------

Loading (2)	1	2	3	4	5	6	7
Stress (MPa)	0	1100.04	2200.08	3300.12	4400.16	5500.20	6600.24
Strain (%)	0.00	0.42	0.84	1.26	1.68	2.10	2.52
Settlement (mm)	0.00	0.17	0.34	0.51	0.68	0.85	1.02

Unloading (C)	0.00	0.42	0.84	1.26	1.68	2.10	2.52
Settlement (mm)	0.00	0.17	0.34	0.51	0.68	0.85	1.02

Fig. 1: Plot of stress-strain during the loading stage.
Fig. 2: Plot of stress-strain during the unloading stage.
Fig. 3: Plot of stress-strain during the loading stage.
Fig. 4: Plot of stress-strain during the unloading stage.
Fig. 5: Plot of stress-strain during the loading stage.
Fig. 6: Plot of stress-strain during the unloading stage.



Company Name : Sun Film Construction
 Project : El-Dokki Express Train, from El-Maadi Station to Helwan - Helwan Metro Station (B) - Helwan to Fika
 Test Date : 14/04/2023
 report date : 15/04/2023
 Location : Station 442-072 to 442-080
 Test No. : 04

Horizontal Static Plate Load Tests of Soils QM 18138

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	00.00	0.00	00.00	0.00	00.00	0.00	0.00
1	0.42	00.00	0.17	00.00	0.19	00.00	0.19	0.17
2	0.83	00.00	0.26	00.00	0.30	00.00	0.31	0.28
3	1.25	00.00	0.40	00.00	0.44	00.00	0.46	0.43
4	1.67	00.00	0.54	00.00	0.58	00.00	0.59	0.56
5	2.09	00.00	0.65	00.00	0.74	00.00	0.80	0.73
6	2.50	00.00	0.79	00.00	0.88	00.00	0.91	0.87

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	0.00	00.00	0.76	00.00	0.80	00.00	0.81	0.81
2	1.25	00.00	0.73	00.00	0.81	00.00	0.77	0.80
3	0.00	00.00	0.60	00.00	0.80	00.00	0.72	0.74
4	0.00	00.00	0.39	00.00	0.80	00.00	0.61	0.61

Loading Stage (2)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.42	00.00	0.42	00.00	0.35	00.00	0.48	0.55
1	0.83	00.00	0.58	00.00	0.70	00.00	0.67	0.62
2	1.25	00.00	0.63	00.00	0.81	00.00	0.68	0.71
3	1.67	00.00	0.73	00.00	0.88	00.00	0.81	0.81
4	2.09	00.00	0.81	00.00	0.88	00.00	0.67	0.80



Company Name : Sam Rice Construction
 Project : Giza Airport Taxi, Side to Side Station to Station, Without Strong Section (E) - Phase 2a Taxi
 Test Date : 14/06/2023
 report date : 14/06/2023
 Location : Station 403+300 to 404+325
 Test No. : 88

Alternative Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (I)

Loading	Stress kPa/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	19.00	0.00	19.00	0.00	19.00	0.00	0.00
1	0.42	19.01	0.19	19.00	0.14	19.00	0.12	0.15
2	0.83	19.08	0.31	19.14	0.26	19.17	0.23	0.27
3	1.25	19.16	0.45	19.20	0.40	19.25	0.36	0.40
4	1.67	19.41	0.69	19.47	0.53	19.20	0.59	0.58
5	2.08	19.54	0.68	19.39	0.84	19.34	0.66	0.70
6	2.50	19.18	0.83	19.11	0.79	19.24	0.76	0.79

Unloading Stage (I)

Loading	Stress kPa/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.08	19.18	0.83	19.11	0.79	19.24	0.76	0.78
2	1.25	19.07	0.72	19.10	0.70	19.11	0.67	0.70
3	0.83	19.04	0.61	19.41	0.57	19.45	0.55	0.58
4	0.42	19.00	0.07	19.12	0.20	19.19	0.23	0.27

Loading Stage (II)

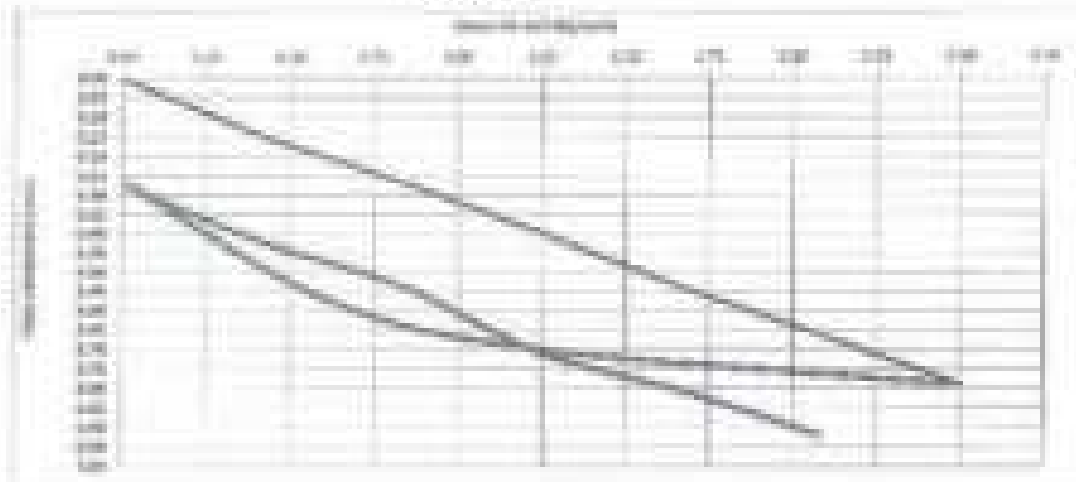
Loading	Stress kPa/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.02	0.48	19.10	0.41	19.42	0.38	0.42
1	0.83	19.47	0.68	19.46	0.84	19.53	0.47	0.58
2	1.25	19.58	0.72	19.51	0.88	19.25	0.72	0.71
3	1.67	19.56	0.84	19.19	0.81	19.22	0.77	0.81
4	2.08	19.40	0.95	19.01	0.90	19.11	0.86	0.90



Designing Sheet
Project
Test Date
Report Date
Location
Test No.

Age: New Construction
Structure: Highway Bridge, from 1st test loading to Service. Material: Reinforced Concrete (RC) - Different in Type
1: 1000/2023
2: 1000/2023
Structure: 40x40 to 40x40
100

Document No. Bridge Plate Load Tests of Ribs 005.10.04



Loading (T)	1	2	3	4	5	6	7
Support	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Stress (MPa)	0.00	0.44	0.87	1.29	1.67	2.08	2.49
Bottom Reinforcement	0.00	0.12	0.24	0.36	0.49	0.62	0.75

Loading (T)	1	2	3	4
Support	1000	1000	1000	0
Stress (MPa)	0.44	0.87	1.29	0.00
Bottom Reinforcement	0.12	0.24	0.36	0.00

1st Load = 1000	2nd Load = 1000	Stress = 0.44	Stress = 0.87	Stress = 1.29	Stress = 1.67	Stress = 2.08	Stress = 2.49
1st Load = 1000/2023	2nd Load = 1000						

Support = 1000

Loading (T)	1	2	3	4	5	6	7
Support	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Stress (MPa)	0.00	0.44	0.87	1.29	1.67	2.08	2.49
Bottom Reinforcement	0.00	0.12	0.24	0.36	0.49	0.62	0.75

1st Load = 1000	2nd Load = 1000	Stress = 0.44	Stress = 0.87	Stress = 1.29	Stress = 1.67	Stress = 2.08	Stress = 2.49
1st Load = 1000/2023	2nd Load = 1000						

1st = Bridge at different loading stage
2nd = Bridge at different loading stage
3rd = Bridge at different loading stage
4th = Bridge at different loading stage
5th = Bridge at different loading stage
6th = Bridge at different loading stage
7th = Bridge at different loading stage



Company Name	: Kim Rise Construction
Project	: Illinois Express Trail, from Alton Station to North Walnut County Center Rd - Alton to York
Field Data report date	: 11/06/2023
Location	: Station 448+00 to 449+00
Test No.	: 88

Manuscript Title: State Level Tests of Skills
014 18124

Question *What is the purpose of the study?*

London: Arnold, 1991.

Leading	Stems	Dist 1	Betterment	Dist 2	Betterment	Dist 3	Betterment	Average
	Agreed		yes		yes		yes	
0	0.33	10.00	0.00	10.00	0.00	10.00	0.00	0.30
1	0.40	10.00	0.10	10.10	0.20	10.20	0.21	0.30
2	0.53	10.00	0.20	10.20	0.30	10.30	0.30	0.30
3	1.00	10.00	0.40	10.40	0.60	10.60	0.60	0.51
4	1.67	10.00	0.60	10.60	0.70	10.70	0.68	0.60
5	2.00	10.00	0.70	10.70	0.80	10.80	0.76	0.60
6	2.50	10.00	0.80	10.80	0.80	10.80	0.84	0.64

Understanding Stages (11)

Loading	Stress N/mm ²	Graf 1	Settlement		Dier 2	Settlement		Dier 3	Settlement		Average
			mm			mm			mm		
1	1.50	10.00	0.20		10.00	0.20		10.00	0.20		0.20
2	1.75	10.10	0.25		10.10	0.25		10.10	0.25		0.25
3	2.00	10.20	0.30		10.20	0.30		10.20	0.30		0.30
4	2.25	10.30	0.40		10.30	0.40		10.30	0.40		0.40

Legend: $\square$ = 100% $\square$ = 50% $\square$ = 25% $\square$ = 12.5% $\square$ = 6.25% $\square$ = 3.125% $\square$ = 1.5625% $\square$ = 0.78125% $\square$ = 0.390625% $\square$ = 0.1953125% $\square$ = 0.09765625% $\square$ = 0.048828125% $\square$ = 0.0244140625% $\square$ = 0.01220703125% $\square$ = 0.006103515625% $\square$ = 0.0030517578125% $\square$ = 0.00152587890625% $\square$ = 0.000762939453125% $\square$ = 0.0003814697265625% $\square$ = 0.00019073486328125% $\square$ = 0.000095367431640625% $\square$ = 0.0000476837158203125% $\square$ = 0.00002384185791015625% $\square$ = 0.000011920928955078125% $\square$ = 0.0000059604644775390625% $\square$ = 0.00000298023223876953125% $\square$ = 0.000001490116119384765625% $\square$ = 0.0000007450580596923828125% $\square$ = 0.00000037252902984619140625% $\square$ = 0.000000186264514923095703125% $\square$ = 0.0000000931322574615478515625% $\square$ = 0.00000004656612873077392578125% $\square$ = 0.000000023283064365386962890625% $\square$ = 0.0000000116415321826934814453125% $\square$ = 0.00000000582076609134674072265625% $\square$ = 0.000000002910383045673370361328125% $\square$ = 0.0000000014551915228366851806640625% $\square$ = 0.00000000072759576141834259033203125% $\square$ = 0.000000000363797880709171295166015625% $\square$ = 0.0000000001818989403545856475830078125% $\square$ = 0.00000000009094947017729282379150390625% $\square$ = 0.000000000045474735088646411895751953125% $\square$ = 0.0000000000227373675443232059478759765625% $\square$ = 0.00000000001136868377216160297393798828125% $\square$ = 0.000000000005684341886080801486968994140625% $\square$ = 0.0000000000028421709430404007434844970703125% $\square$ = 0.00000000000142108547152020037174224853515625% $\square$ = 0.000000000000710542735760100185871124267578125% $\square$ = 0.0000000000003552713678800500929355621337890625% $\square$ = 0.00000000000017763568394002504646778106689453125% $\square$ = 0.000000000000088817841970012523233890533447265625% $\square$ = 0.0000000000000444089209850062616169452667236328125% $\square$ = 0.00000000000002220446049250313080847263336181640625% $\square$ = 0.000000000000011102230246251565404236316680908203125% $\square$ = 0.0000000000000055511151231257827021181583340541015625% $\square$ = 0.00000000000000277555756156289135105907916702705078125% $\square$ = 0.000000000000001387778780781445675529539583513525390625% $\square$ = 0.0000000000000006938893903907228377647697917567626953125% $\square$ = 0.00000000000000034694469519536141888238489587838134765625% $\square$ = 0.000000000000000173472347597680709441192447939190673828125% $\square$ = 0.0000000000000000867361737988403547205962239695953369140625% $\square$ = 0.00000000000000004336808689942017736029811198479766845703125% $\square$ = 0.000000000000000021684043449710088680149055992398834228515625% $\square$ = 0.0000000000000000108420217248550443400745279961994171142578125% $\square$ = 0.000000000000000005421010862427522170037263998099708557395703125% $\square$ = 0.0000000000000000027105054312137610850186319990498542786978515625% $\square$ = 0.00000000000000000135525271560688054250931599952492713934892578125% $\square$ = 0.000000000000000000677626357803440271254657999762463569674462890625% $\square$ = 0.0000000000000000003388131789017201356273289998812317848372314453125% $\square$ = 0.00000000000000000016940658945086006781366449994061589241861572265625% $\square$ = 0.000000000000000000084703294725430033906832249970307946209307861328125% $\square$ = 0.0000000000000000000423516473627150169534161249851539731046539306640625% $\square$ = 0.00000000000000000002117582368135750847670806249257698655232696533203125% $\square$ = 0.000000000000000000010587911840678754238354031246288493276163482666015625% $\square$ = 0.0000000000000000000052939559203393771191770156231442466380817413330078125% $\square$ = 0.00000000000000000000264697796016968855958850781157212331904087066650390625% $\square$ = 0.000000000000000000001323488980084844279794253905786061659520435333251953125% $\square$ = 0.0000000000000000000006617444900424221398971269528930308297602176666259765625% $\square$ = 0.00000000000000000000033087224502121106994856347644651541488010883331298828125% $\square$ = 0.000000000000000000000165436122510605534974281738223257707440054416656494140625% $\square$ = 0.0000000000000000000000827180612553027674871408691116288537200272083282470703125% $\square$ = 0.000000000

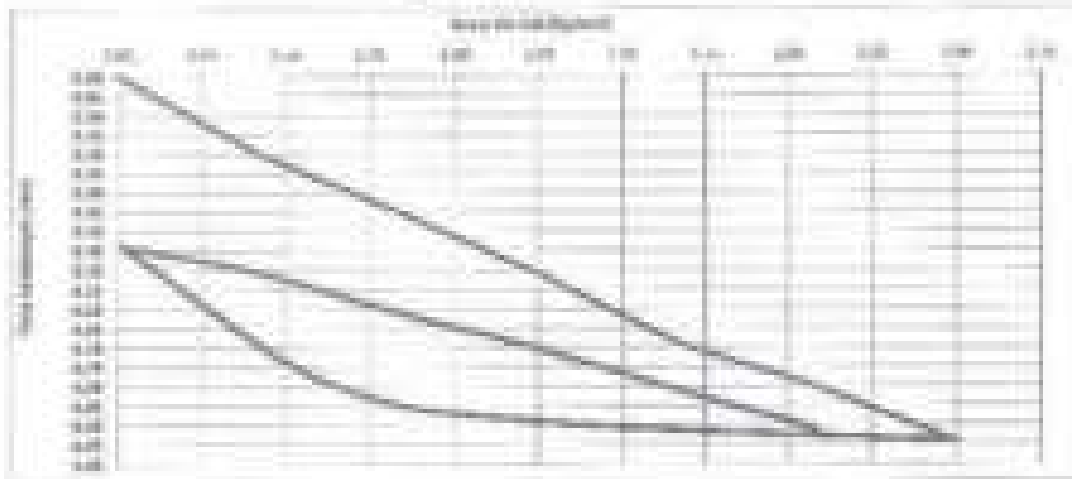
Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.42	19.01	0.40	19.47	0.50	19.49	0.54	0.51
4	0.83	19.49	0.57	19.50	0.88	19.50	0.97	0.81
8	1.25	19.51	0.68	19.59	0.74	19.51	0.88	0.73
8	1.67	19.53	0.77	19.54	0.90	19.53	0.98	0.83
4	2.09	19.55	0.88	19.59	0.99	19.55	0.98	0.95



Designing Bureau
Rigging
Test Data
Report Date
Location
Test No.

Test Item Description
Electric Cables, Tests, Tests of the Cables to Measure Maximum Working Current (MWC) - Standard Test
140000000
100000000
Location: 100000000 to 100000000
100

Temperature, Stress, Peak Load, Tests of Cables CEL 00000



Loading (t)	0	1	2	3	4	5	6
Temperature	0	100.00	100.00	100.00	100.00	100.00	100.00
Stress (MPa)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Strain (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Unloading (t)	1	2	3	4
Temperature	100.00	100.00	100.00	100.00
Stress (MPa)	0.00	0.00	0.00	0.00
Strain (mm)	0.00	0.00	0.00	0.00

Test No.:	100	Test Date:	01/01/2000	Test Time:	01:00
Test Location:	100000000	Test No.:	1000		

Report No. 100

Loading (t)	0	1	2	3	4	5	6
Temperature	0	100.00	100.00	100.00	100.00	100.00	100.00
Stress (MPa)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Strain (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test No.:	100	Test Date:	01/01/2000	Test Time:	01:00
Test Location:	100000000	Test No.:	1000		

Test 1: Measure of deformation during the loading stage
Test 2: Measure of deformation during the unloading stage
0 = Other stresses (mm)
0 = The difference between 0.1 and 0.2 from the maximum loading (mm)
0 = The difference between 0.1 and 0.2 from the maximum loading (mm)





Consulting Engineering Bureau & Laboratories

مكتب استشارات الهندسية

Company Name : Sun Rise Construction
Project : Station Express Train, Sun M Mile Station to Doros - Harrow Priority Sector (E) - Harrow to Fife
Test Date : 14/06/2023
Report Date : 15/06/2023
Location : Station 449+000 to 449+015
Test No. : 03

Nonconforming Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (1)

Loading	Stress	Dist 1	Settlement		Dist 2	Settlement		Dist 3	Settlement		Average
	Kg/cm ²		mm			mm			mm		
0	0.00	15.00	0.00		0.00	0.00		0.00	0.00		0.00
1	0.42	15.16	0.23		0.23	0.23		0.26	0.26		0.23
2	0.83	15.33	0.36		0.43	0.43		0.52	0.52		0.37
3	1.25	15.51	0.49		0.57	0.57		0.66	0.66		0.51
4	1.67	15.68	0.61		0.79	0.79		0.87	0.87		0.69
5	2.09	15.87	0.73		0.79	0.79		0.96	0.96		0.74
6	2.51	16.03	0.85		0.91	0.91		1.05	0.91		0.88

Unloading Stage (1)

Loading	Stress	Dist 1	Settlement		Dist 2	Settlement		Dist 3	Settlement		Average
	Kg/cm ²		mm			mm			mm		
1	2.09	15.83	0.80		0.09	0.09		15.15	0.09		0.88
2	1.25	15.68	0.79		0.08	0.08		15.07	0.79		0.77
3	0.83	15.52	0.63		0.00	0.79		15.40	0.66		0.68
4	0.01	15.00	0.39		0.00	0.00		15.00	0.31		0.35

Unloading Stage (2)

Loading	Stress	Dist 1	Settlement		Dist 2	Settlement		Dist 3	Settlement		Average
	Kg/cm ²		mm			mm			mm		
0	0.00	15.13	0.00		0.00	0.00		15.13	0.00		0.00
1	0.03	15.16	0.03		0.03	0.03		15.41	0.03		0.03
2	0.79	15.34	0.79		0.00	0.00		15.38	0.77		0.78
3	1.67	15.52	0.85		0.00	0.00		15.45	0.85		0.85
4	2.09	15.68	0.90		0.00	1.00		15.68	0.89		0.90



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- **Book Title:** *Unsettled*
 - **Author:** *Michelle Wildgen*
 - **Genre:** *Non-Fiction*
 - **Subject:** *Climate Change, Environment*
 - **Keywords:** *Climate Change, Environment, Unsettled*
 - **Summary:** *Michelle Wildgen's book, 'Unsettled', explores the impact of climate change on the environment and the role of individuals in addressing the issue.*
 - **Notes:** *Michelle Wildgen's book, 'Unsettled', explores the impact of climate change on the environment and the role of individuals in addressing the issue.*
 - **References:** *Michelle Wildgen's book, 'Unsettled', explores the impact of climate change on the environment and the role of individuals in addressing the issue.*

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١٠- في المملكه المثلثه

Company Name : Sun Rise Construction
 Project : Pacific Express from New Al Ain - Inland to Bama - Bahariya Privately Sector (B) - Marsa Matruh
 Test Date : 14/04/2022
 report date : 15/04/2022
 Location : Station 443+072 to 443+080
 Test No. : 08

Noncompressive Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	16.00	0.00	16.00	0.00	16.00	0.00	0.00
1	0.02	16.15	0.15	16.15	0.15	16.15	0.15	0.15
2	0.03	16.40	0.40	16.40	0.40	16.40	0.40	0.40
3	1.25	16.45	0.45	16.51	0.49	16.41	0.48	0.48
4	1.67	16.52	0.52	16.57	0.60	16.55	0.58	0.58
5	2.08	16.58	0.58	16.59	0.59	16.53	0.57	0.57
6	2.50	16.65	0.65	16.71	0.71	16.66	0.66	0.66

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	16.65	0.65	16.71	0.71	16.66	0.66	0.66
2	1.25	16.52	0.52	16.57	0.60	16.55	0.58	0.58
3	0.03	16.40	0.40	16.40	0.40	16.40	0.40	0.40
4	0.01	16.35	0.35	16.34	0.34	16.35	0.34	0.34

Loading Stage (2)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	16.45	0.45	16.54	0.48	16.50	0.48	0.48
1	0.02	16.48	0.48	16.50	0.50	16.50	0.50	0.50
2	1.25	16.50	0.50	16.53	0.58	16.50	0.58	0.58
3	1.67	16.52	0.52	16.57	0.60	16.55	0.58	0.58
4	2.08	16.54	0.58	16.61	0.66	16.60	0.66	0.66



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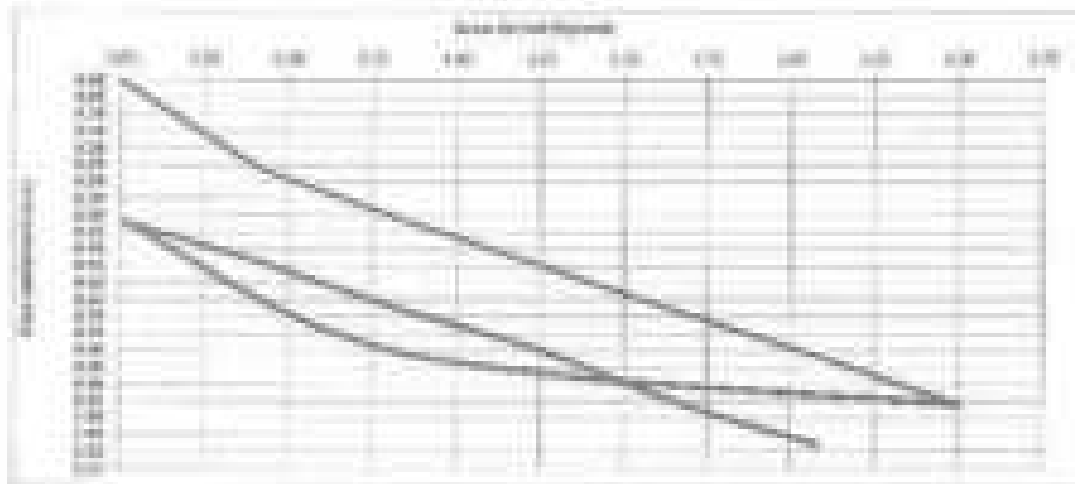
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Abstract

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WSP profile (°C)	1	2	3	4
Temperature	100.0	100.0	100.0	95
Viscosity (cP)	1.00	1.00	10.00	10.00
Refractive index	1.00	1.00	1.00	1.00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Location	1	2	3	4	5	6
Wage	0	1.00	2.00	3.00	4.00	5.00
Hours	0.00	0.00	0.00	0.00	0.00	0.00
Hours (hours)	0.00	0.00	0.00	0.00	0.00	0.00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Figure 1. Distribution of respondents by age, by country.

Figure 10. Modeling of substructure for Fig. 9. (Continued)

— *Journal of the American Medical Association*

Fig. 1. (a) Schematic diagram of the experimental setup. (b) Photograph of the experimental setup.

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Company : **Sua Risa Construction**

Project : Electric Express Train, Al Ain (Bokhara to Marwa Matruh) Priority Sector (R)
- Almarai in Fuka

Subject : Determine the deformation and strength characteristics of soil by the plate loading test according specifications ISIRI 18134:2012-04 and project requirements

Test Location : (448-625 to 448-625)

Test Date : 03/04/2023

Report Date : 04/04/2023

Type of soil : —

Test level : Prepared Subgrade

Report No. : 158-176

Dear Gentlemen,

According to the above mentioned subject the test performed as follows:

Apparatus

1. Loading plates consists of two plates with 600 mm and 300 mm diameter
2. The thickness of plates 30 mm
3. Dial gauges with accuracy 0.01 mm in measuring the settlement
4. Steel straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 700 Bar (0.7mbar)
7. Reaction loading system by roller cranes with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clear the ground on test area to the required level with undisturbed soil
2. Install loading plate 600 mm and 300 mm diameter, hydraulic jack and 3 dial gauges
3. Prior to starting the test applied preloading about 30 seconds.
4. The strain gauges and the dial gauge shall be set to zero
5. For a 600 mm loading plate, the limit values are 2.5 kg/cm²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum normal stress is reached.
7. Each change in load (from stage to stage) shall be completed within one minute.
8. The load shall be released in 3 stages, to 50 % , 25 % , and approximately 2 % of the maximum load.
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached).
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min.
11. Remove the loads

Report

1. Evaluation and representation of results
2. Load Settlement curve
3. The test report contain the following:-
 - Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of bedding material below the plate -Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading settlement curve
 - Description of the soil condition below the plate after testing

Report

- Type of soil: Prepared Subgrade .
- Job requirement: $E_{vd} > 800 \text{ Kg/cm}^2$ (80 MPa).

Test Data	Remarks
- Type of bedding material below the plate	Natural Soil
- Weather condition	Partly Sunny
- Plate Diameter (mm)	600
- date of measurement	03/04/2023
- Unusual observation made during test	NO
- Description of the soil conditions below the plate after testing	No information

Evaluation and representation of results

Test No.	Normal Stress (Kg/cm ²)	Normal Stress (MPa)	Settlement (mm)	Settlement (mm)	Settlement (mm)
1	448-625	448-625	1250	2045	1.0
2	448-650	448-675	1402	2143	1.5
3	448-675	448-700	1400	2143	1.5
4	448-700	448-725	1120	1857	1.7
5	448-725	448-750	1324	1952	1.8
6	448-750	448-775	1324	1957	1.8
7	448-775	448-800	1104	2143	1.8
8	448-800	448-825	1184	2143	1.8

Signature /

Company Name : Sun Rise Construction
 Project : Electric Highway Project, from 4th Mile Station to Station 5th Mile, Highway No. 101
 Test Date : 05/04/2022
 Report Date : 06/04/2022
 Location : Station 4th+025 to 4th+500
 Test No. : 01

Nonpositive Static Plate Load Tests of Soils DM 18134

Unit: mm

Loading Stage (1)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.00	15.10	0.00	15.10	0.00	15.10	0.00	0.00
1	0.40	15.10	0.34	15.10	0.18	15.10	0.20	0.24
2	0.80	15.10	0.41	15.10	0.32	15.10	0.38	0.38
3	1.20	15.10	0.58	15.10	0.48	15.10	0.44	0.53
4	1.60	15.10	0.72	15.10	0.60	15.10	0.64	0.67
5	2.00	15.10	0.87	15.10	0.68	15.10	0.78	0.80
6	2.40	15.10	1.02	15.10	0.85	15.10	0.90	0.98

Loading Stage (2)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
1	2.80	15.10	1.02	15.10	0.85	15.10	0.90	0.98
2	3.20	15.10	0.97	15.10	1.00	15.10	0.98	0.94
3	3.60	15.10	0.89	15.10	0.80	15.10	0.78	0.83
4	4.00	15.10	0.80	15.10	0.53	15.10	0.60	0.74

Loading Stage (3)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.40	15.10	0.09	15.10	0.07	15.10	0.10	0.08
1	0.80	15.10	0.77	15.10	0.71	15.10	0.57	0.73
2	1.20	15.10	0.83	15.10	0.88	15.10	0.75	0.85
3	1.60	15.10	0.84	15.10	0.88	15.10	0.85	0.86
4	2.00	15.10	1.02	15.10	0.88	15.10	0.90	0.97



Company Name

Project

Test Date

Test No.

Location

Test No.

Test Type Construction

Structure Name / Test, from which laboratory name, design study number etc. should be given

Equipment

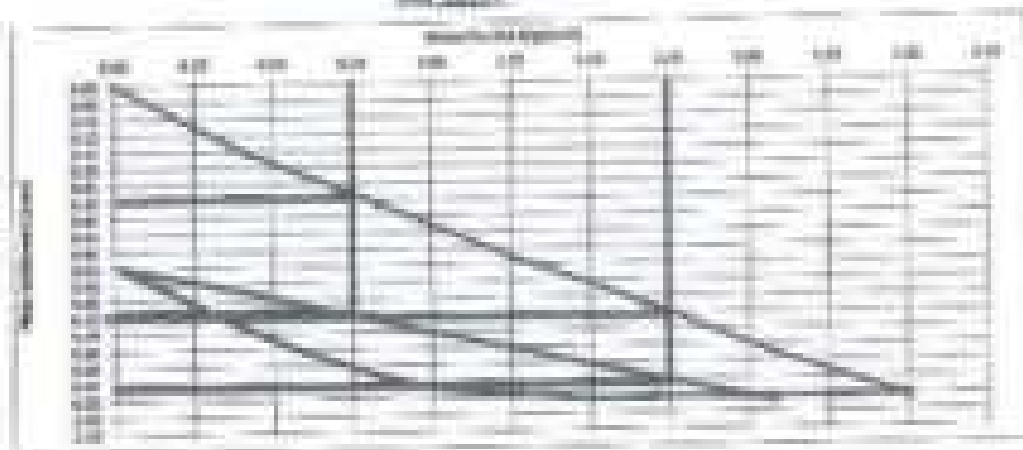
Reference

Design standard is required

or

Drawings/Spec./Plate Load Test of Soil

100, 200, 300



Load (kN)	1	2	3	4	5	6	7
Settlement (mm)	0.01	0.02	0.03	0.04	0.05	0.06	0.07
Settlement (mm)	0.01	0.02	0.03	0.04	0.05	0.06	0.07
Settlement (mm)	0.01	0.02	0.03	0.04	0.05	0.06	0.07

Load (kN)	1	2	3	4
Settlement (mm)	0.01	0.02	0.03	0.04
Settlement (mm)	0.01	0.02	0.03	0.04
Settlement (mm)	0.01	0.02	0.03	0.04

Load (kN)	1	2	3	4	5	6	7
Settlement (mm)	0.01	0.02	0.03	0.04	0.05	0.06	0.07
Settlement (mm)	0.01	0.02	0.03	0.04	0.05	0.06	0.07
Settlement (mm)	0.01	0.02	0.03	0.04	0.05	0.06	0.07

100, 200, 300

Settlement of settlement during the loading stage

Settlement of settlement during the unloading stage

Settlement of settlement

Settlement of settlement during the loading stage (Settlement)

Settlement of settlement during the unloading stage (Settlement)



Company Name : East Nile Construction.
Project : Eastern Express Train, from At El-Dokki Station to El-Dokki Station (Phase 1) - El-Dokki Station
Test Date : 02/04/2022
Report Date : 04/04/2022
Location : Station 400+000 to 400+070
Test No. : 02

Incremental Static Plate Load Tests of Soils CEN 10134

Data sheet

Loading Stage (1)

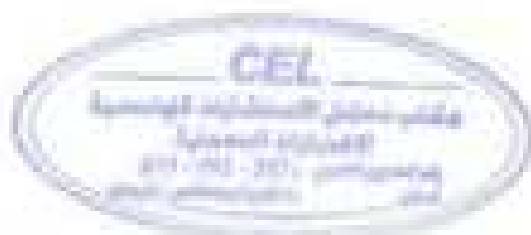
Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	19.00	0.00	19.00	0.00	19.00	0.00	0.00
1	0.50	19.00	0.10	19.00	0.10	19.00	0.10	0.10
2	1.00	19.00	0.20	19.00	0.27	19.00	0.20	0.21
3	1.50	19.00	0.30	19.00	0.30	19.00	0.30	0.30
4	1.87	19.00	0.40	19.00	0.37	19.00	0.40	0.38
5	2.00	19.00	0.50	19.00	0.77	19.00	0.50	0.50
6	2.50	19.00	1.00	19.00	0.80	19.00	0.80	0.80

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	2.00	19.00	1.00	19.00	0.80	19.00	0.80	0.80
2	1.25	19.00	0.80	19.00	0.60	19.00	0.60	0.60
3	0.80	19.00	0.70	19.00	0.70	19.00	0.60	0.60
4	0.00	19.00	0.80	19.00	0.40	19.00	0.30	0.40

Loading Stage (2)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.40	19.00	0.00	19.00	0.00	19.00	0.00	0.00
1	0.80	19.00	0.07	19.00	0.00	19.00	0.00	0.01
2	1.20	19.00	0.77	19.00	0.00	19.00	0.00	0.00
3	1.87	19.00	0.80	19.00	0.77	19.00	0.80	0.77
4	2.00	19.00	0.80	19.00	0.80	19.00	0.70	0.80



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الكلية - ١٥ نقطة
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Company Name : Sun Hwa Construction.
 Project : North Express Train, Area at the Bottom of Wadi, Hamaq Railway Station (S) - Beirut to Hamaq
 Test Date : 05/04/2023
 Report date : 06/04/2023
 Location : Station 440+470 to 440+700
 Test No. : 80

Incremental Static Plate Load Tests of Soils CPH 18134.

Data sheet

Loading Stage (I)

Loading	Stress Kg/cm ²	Dist. 1	Settlement		Dist. 2	Settlement		Dist. 3	Settlement		Average
			mm			mm			mm		
0	0.00	18.00	0.00		18.00	0.00		18.00	0.00		0.00
1	0.10	18.00	0.10		18.75	0.20		18.50	0.10		0.10
2	0.20	18.00	0.20		18.50	0.27		18.75	0.20		0.20
3	0.30	18.75	0.40		18.50	0.40		18.50	0.41		0.40
4	0.40	18.00	0.60		18.50	0.60		18.00	0.60		0.60
5	0.50	18.00	0.70		18.25	0.70		18.00	0.70		0.70
6	0.70	18.00	0.80		18.00	0.87		18.00	0.80		0.80

Unloading Stage (I)

Loading	Stress Kg/cm ²	Dist. 1	Settlement		Dist. 2	Settlement		Dist. 3	Settlement		Average
			mm			mm			mm		
1	0.10	18.00	0.60		18.75	0.87		18.00	0.80		0.80
2	0.20	18.00	0.80		18.00	0.80		18.00	0.70		0.80
3	0.30	18.00	0.80		18.00	0.70		18.00	0.80		0.70
4	0.40	18.00	0.60		18.00	0.47		18.00	0.40		0.60

Loading Stage (II)

Loading	Stress Kg/cm ²	Dist. 1	Settlement		Dist. 2	Settlement		Dist. 3	Settlement		Average
			mm			mm			mm		
0	0.40	18.00	0.60		18.00	0.60		18.00	0.60		0.60
1	0.60	18.00	0.70		18.00	0.64		18.00	0.60		0.60
2	0.80	18.00	0.80		18.00	0.70		18.00	0.67		0.70
3	1.00	18.00	0.80		18.00	0.80		18.00	0.70		0.80
4	1.20	18.00	0.80		18.00	0.80		18.00	0.80		0.80



10

100



Company Name : Sun Hsa Construction
Project : Sports Complex, from Al Ain, Sultan Bin Zayed Stadium, Priority Project - Ministry of Police
Test Date : 02/04/2023
Report Date : 04/04/2023
Location : Station 446, 700 to 446+720
Test No. : 195

Noncohesive Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (1)

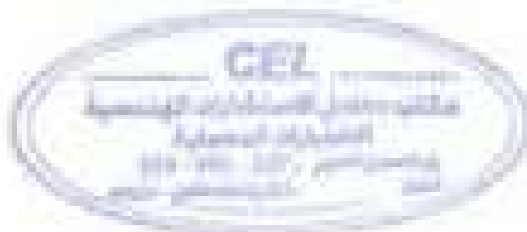
Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.40	20.00	0.16	19.76	0.22	19.62	0.19	0.18
2	0.80	19.90	0.34	19.60	0.37	19.27	0.30	0.34
3	1.20	19.40	0.60	19.40	0.68	18.90	0.44	0.57
4	1.60	18.70	0.72	19.00	0.79	18.61	0.50	0.67
5	2.00	18.10	0.80	19.10	0.86	18.21	0.70	0.84
6	2.40	18.07	1.00	19.00	1.00	18.00	0.90	1.00

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	2.00	18.10	1.00	19.00	1.00	18.20	0.90	1.00
2	1.20	18.00	0.80	19.00	0.84	18.17	0.80	0.87
3	0.80	18.10	0.60	19.12	0.68	18.20	0.70	0.67
4	0.40	18.10	0.40	19.40	0.40	18.50	0.40	0.40

Loading Stage (2)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.10	19.40	0.72	18.90	0.67	19.00	0.67	0.68
1	0.20	19.10	0.81	18.30	0.76	19.00	0.80	0.76
2	0.30	18.00	0.81	18.10	0.80	19.10	0.79	0.80
3	0.40	18.00	1.00	18.00	0.90	19.10	0.80	0.90
4	0.50	18.10	1.07	18.90	1.00	18.07	0.90	1.07

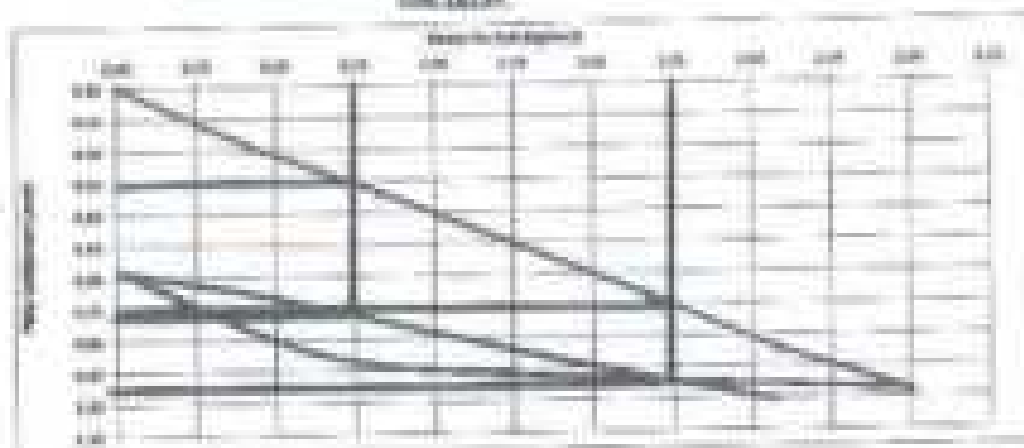


Company Name:
Address:
City/State:
Country:
E-mail:
Phone No.:

Source: *Author's calculations*.

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Learning 11	1	2	3	4	5	6
Weight (kg)	0	11 000 000	1000 0	1000 0	1000 0	1000 0
Volume (liters)	0 000	0 000	0 000	0 000	0 000	0 000
Number of items	0 000	0 000	0 000	0 000	0 000	0 000
Cost (€)	0 000	0 000	0 000	0 000	0 000	0 000

test results (%)	1	2	3	4
Strength (kg)	1000	1000	1000	0
Stress (kg/mm ²)	0.143	0.143	0.143	0.00
Modulus (GPa)	0.00	0.00	0.00	0.00

Learning goal	1	2	3	4	5
Interpret	4	3	2	1	0
Understand (explain)	4	3	2	1	0
Calculate (solve)	4	3	2	1	0

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Table 1

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Fig. 3. Time difference between the first and the second peaks of the recorded signals. The time difference is plotted against the distance between the electrodes. The time difference increases linearly with the distance between the electrodes. The slope of the line is 0.15 ns/cm.



Company Name : Sam Hana Construction
 Project : Middle Express Train from 4th St Station to 5th St Station (Heavy Duty) (20000 - 20000) to 10000
 Test Date : 05/04/2023
 report date : 04/04/2023
 Location : Station 445-750 to 445-750
 Test No. : 08

Successive Static Plate Load Tests of Soils CEN 18134

Date sheet

Loading Stage (I)

Loading	Stress	Dist. 1	Settlement		Dist. 2	Settlement		Average
	Kg/cm ²		mm	Dist. 2	mm	Dist. 2	mm	
0	0.00	15.30	0.00	15.30	0.00	15.30	0.00	0.00
1	0.40	15.30	0.14	15.30	0.21	15.30	0.17	0.16
2	0.80	15.30	0.38	15.30	0.38	15.30	0.38	0.38
3	1.20	15.30	0.60	15.30	0.61	15.30	0.61	0.60
4	1.60	15.30	0.92	15.30	0.84	15.30	0.87	0.89
5	2.00	15.30	0.71	15.30	0.83	15.30	0.79	0.76
6	2.40	15.30	0.80	15.30	0.85	15.30	0.87	0.84

Unloading Stage (I)

Loading	Stress	Dist. 1	Settlement		Dist. 2	Settlement		Average
	Kg/cm ²		mm	Dist. 2	mm	Dist. 2	mm	
1	2.00	15.30	0.80	15.30	0.81	15.30	0.87	0.86
2	1.60	15.30	0.73	15.30	0.80	15.30	0.80	0.80
3	0.80	15.30	0.68	15.30	0.74	15.30	0.81	0.74
4	0.40	15.30	0.40	15.30	0.61	15.30	0.67	0.52

Loading Stage (II)

Loading	Stress	Dist. 1	Settlement		Dist. 2	Settlement		Average
	Kg/cm ²		mm	Dist. 2	mm	Dist. 2	mm	
0	0.00	15.30	0.00	15.30	0.00	15.30	0.00	0.00
1	0.80	15.30	0.60	15.30	0.75	15.30	0.78	0.74
2	1.60	15.30	0.87	15.30	0.87	15.30	0.87	0.87
3	2.40	15.30	0.80	15.30	0.88	15.30	0.90	0.89
4	3.20	15.30	1.04	15.30	1.08	15.30	1.11	1.08



0000-0000-0000-0000

Company Name : Sam Ytter Construction
 Project : Huda Express Tolls Road at the bottom to Huda Express Primary School (H) - Huda to Faha
 Test Date : 04/04/2023
 Report Date : 04/04/2023
 Location : Station 448+750 to 448+775
 Test No. : 88

Nondestructive Static Plate Load Tests of Soils QM 18124

Data sheet

Loading Stage (I)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.40	15.00	0.12	15.00	0.15	15.00	0.13	0.14
2	0.80	15.00	0.30	15.00	0.35	15.00	0.31	0.31
3	1.20	15.00	0.41	15.00	0.37	15.00	0.40	0.40
4	1.60	15.00	0.60	15.00	0.65	15.00	0.73	0.63
5	2.00	15.00	0.75	15.00	0.85	15.00	0.81	0.78
6	2.40	15.00	0.94	15.00	0.78	15.00	1.00	0.88

Unloading Stage (I)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	2.00	15.00	0.81	15.00	0.78	15.00	1.00	0.88
2	1.60	15.00	0.80	15.00	0.74	15.00	0.80	0.78
3	0.80	15.00	0.75	15.00	0.68	15.00	0.60	0.70
4	0.40	15.00	0.60	15.00	0.40	15.00	0.40	0.48

Loading Stage (II)

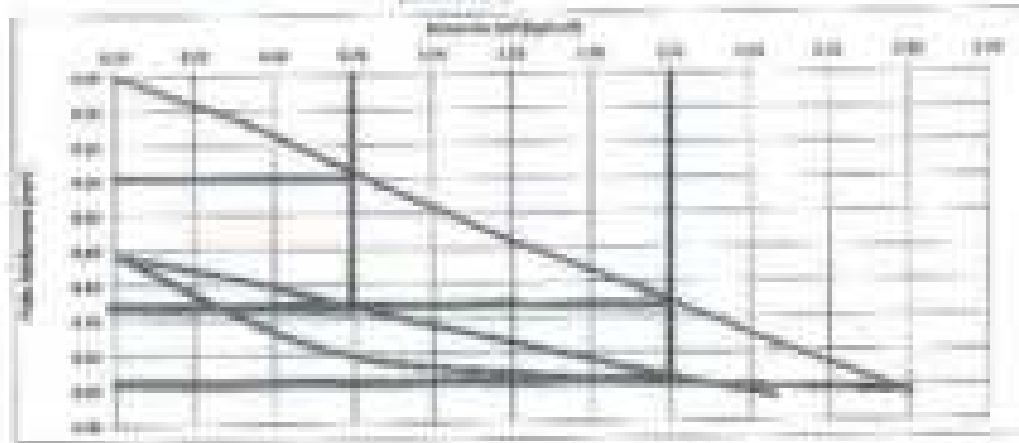
Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.40	15.00	0.00	15.00	0.00	15.00	0.00	0.00
2	0.80	15.00	0.00	15.00	0.00	15.00	0.00	0.00
3	1.20	15.00	0.00	15.00	0.00	15.00	0.00	0.00
4	1.60	15.00	0.00	15.00	0.00	15.00	0.00	0.00
5	2.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00



Engineering Team
Project
Task Name
Report Date
Location
Team No.

• Soil Mass Consolidation
• Stress: Applied, Total, Pore Water Pressure, Excess Pore Water Pressure (u) • Strain: e, %
• Settlement
• Volume Change (V_v) • Volume Change (%)
• e₀

Remoulded State Liquid Limit & Plasticity Index
(BS 1328)



Loading (%)	0	1	2	3	4	5	6
Stress (kPa)	0	100.00	200.00	300.00	400.00	500.00	600.00
Stress (lb/ft ²)	0.00	1.00	2.00	3.00	4.00	5.00	6.00
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Unloading (%)	1	2	3	4
Stress (kPa)	500.00	400.00	300.00	200.00
Stress (lb/ft ²)	5.00	4.00	3.00	2.00
Settlement (mm)	0.50	0.40	0.30	0.20

Loading (%)	0	1	2	3	4	5	6
Stress (kPa)	0	100.00	200.00	300.00	400.00	500.00	600.00
Stress (lb/ft ²)	0.00	1.00	2.00	3.00	4.00	5.00	6.00
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Final Settlement = 0.60

Set = Settlement of specimen during the loading stage.
Set = Settlement of specimen during the unloading stage.
e = Void Ratio (mm)
e₀ = Void Ratio before (e₀) and e₁ after the specimen loading (e₁)
e₂ = Void Ratio after unloading (e₂) and e₃ after the specimen unloading stage



Company Name : San Hwa Construction
Project : Sheikh Inayatullah Park, from Al-Hilal Avenue to Jumeirah Emirates Market Road - Sheikh Inayat
Test Date : 04/04/2023
Report Date : 04/04/2023
Location : Station 445: 770 to 448-200
Test No. : 07

Hyperbolic Static Plate Load Tests of Soils CPT 18134

Data sheet

Loading Stage (I)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	20.50	0.00	20.00	0.00	20.00	0.00	0.00
1	0.25	20.40	0.10	19.77	0.20	19.60	0.17	0.17
2	0.50	19.70	0.20	19.00	0.40	19.00	0.30	0.30
3	0.75	19.00	0.40	18.20	0.60	18.00	0.47	0.45
4	1.00	18.40	0.70	17.50	0.80	17.00	0.60	0.58
5	1.50	16.70	0.80	16.00	0.90	15.00	0.70	0.67
6	2.00	16.00	0.90	15.00	1.00	14.00	0.90	0.85

Unloading Stage (I)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	0.25	19.10	0.20	18.00	1.00	18.00	0.30	0.30
2	0.50	18.00	0.10	17.00	1.00	17.00	0.30	0.30
3	0.005	18.00	0.10	16.00	0.20	15.00	0.30	0.30
4	0.01	18.00	0.40	16.00	0.47	15.00	0.30	0.30

Loading Stage (II)

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	19.00	0.47	19.00	0.70	19.00	0.50	0.50
1	0.25	18.40	0.60	18.00	0.80	18.00	0.67	0.60
2	0.50	18.00	0.80	17.00	0.90	16.00	0.70	0.77
3	0.75	17.00	0.70	16.00	0.80	15.00	0.67	0.60
4	0.00	16.00	0.60	15.00	1.00	14.00	0.60	0.60

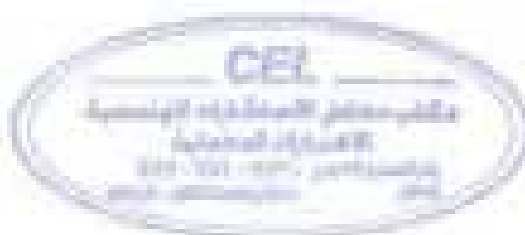


1. Name: _____
 2. Position: _____
 3. Department: _____
 4. Date: _____
 5. Signature: _____
 6. Stamp: _____

Expenditure (€)	0	0	2	0
Investment	2000	2000	1000	0
Revenue (€)	2000	1000	0	0
Subsidized loan	1000	0	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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(a) = Number of polymers during the cooling stage
 (b) = Number of polymers during the heating stage
 (c) = Time intervals (sec)
 (d) = The difference between (a) and (b) for the polymerization period (sec)
 (e) = Difference in polymerization rate between (a) and (b) for the cooling period



Client Name : Sam Hise Construction
Project : Shamsi Express Hotel, Sami Al-Hadithi Building in Sami (Shamsi) District, Sector 05 – Hamman to Fatah
Test Date : 04/04/2023
Report Date : 04/04/2023
Location : Station 440-000 to 440-020
Test No. : 108

Horizontal Static Plate Load Tests at Depth EN 18124

Data sheet

Loading Stage (1)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.10	15.00	0.10	15.00	0.10	15.00	0.10	0.10
2	0.20	15.00	0.20	15.00	0.20	15.00	0.20	0.20
3	0.30	15.00	0.30	15.00	0.30	15.00	0.30	0.30
4	0.40	15.00	0.40	15.00	0.40	15.00	0.40	0.40
5	0.50	15.00	0.50	15.00	0.50	15.00	0.50	0.50
6	0.60	15.00	0.60	15.00	0.60	15.00	0.60	0.60
7	0.70	15.00	0.70	15.00	0.70	15.00	0.70	0.70

Unloading Stage (1)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	0.70	15.00	0.70	15.00	0.70	15.00	0.70	0.70
2	0.60	15.00	0.60	15.00	0.60	15.00	0.60	0.60
3	0.50	15.00	0.50	15.00	0.50	15.00	0.50	0.50
4	0.40	15.00	0.40	15.00	0.40	15.00	0.40	0.40

Loading Stage (2)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.80	15.00	0.80	15.00	0.80	15.00	0.80	0.80
1	0.90	15.00	0.90	15.00	0.90	15.00	0.90	0.90
2	1.00	15.00	1.00	15.00	1.00	15.00	1.00	1.00
3	1.10	15.00	1.10	15.00	1.10	15.00	1.10	1.10
4	1.20	15.00	1.20	15.00	1.20	15.00	1.20	1.20



Company : **Sea Rise Construction**

Project : **Electra Express Train, At Ain Sukhna in Marsa Matruh Priority Sector (E)**
: **Marouh to Foka**
Subject : **Determine the deformation and strength characteristics of soil by the plate loading test according specifications (SIS 18134.2012-04 and project requirements)**
Test Location : **(549+500 to 549+750)**
Test Date : **16/09/2023**
Report Date : **17/09/2023**
Type of soil : **—**
Test level : **Sub ballast**
Report No. : **248/207**

Dear Gentlemen,

According to the above mentioned subject the test performed as follows:

Equipment

1. Loading plate consists of two plates with 600 mm and 300 mm diameter
2. The thickness of plates 10 mm
3. Dial gauges with accuracy 0.01 mm to measure the settlement
4. Steel strapping with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity: 750 Bar (Stainless)
7. Reaction loading system to roller compactor with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clear the ground on test area to the required level with undisturbed soil
2. Install loading plates 600 mm and 300 mm diameter, hydraulic jack and 2 dial gauges
3. Prior to starting the test spread preloading about 20 seconds
4. The strain gauge and the dial gauge shall be set to zero
5. For a 600 mm loading plate, the test values are 2.5 kg/cm²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum normal stress is reached
7. Each stage is kept from stage to stage; shall be completed within one minute
8. The load shall be removed in 3 stages, i.e. 33 %, 25 %, and approximately 2 % of the maximum load
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached)
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min
11. Remove the loads



- Location of test site - Dimension of testing plate
- Measuring device used - Type of soil
- Type of loading material below the plate - Measuring condition
- Time and date of measurements - Unusual observation made during test
- Dial gauge reading and corresponding normal stress - Loading-settlement curve
- Description of the test condition below the plate after testing

Type of work: Boat building

- * Job requirement: Ev2
- $\approx$
- (120 MPa), Ev2
- $\leq$
- (300 MPa) and (Ev3/Ev2)
- $\geq$
- 1.7.

Item	Descriptions
Type of building material below the plate	Polystyrene
Weather condition	Sunny
Plate Diameter (mm)	800
date of measurement	15/04/2015
Unusual observation made during test	NO
Condition of the soil conditions below the plate after testing	No information

Evaluation and categorization of results

Trial No.	Station		First Cycle	Second Cycle	Exp. Exp. Ratio
	From	To	R_{1st} (kg/cm ²)	R_{2nd} (kg/cm ²)	
1	440+500	440+520	1370	1338	1.0
2	440+525	440+550	1324	1244	1.2
3	440+550	440+575	1442	1281	1.2
4	440+575	440+600	1424	1246	0.9
5	440+600	440+625	1341	1344	1.0
6	440+625	440+650	1183	2444	2.1
7	440+650	440+675	1683	3319	1.0
8	440+675	440+700	1377	1884	1.3
9	440+700	440+725	1326	1789	1.3
10	440+725	440+750	1386	1602	1.1



Contracting Name : Sun Rise Construction
 Project : Giza's Express Train, from El Agor Station to West Helwan Station (5) - Phase 1a (1st)
 Test Date : 17/06/2023
 Report Date : 17/06/2023
 Location : Station 449+000 to 449+025
 Test No. : 91

Horizontal Static Plate Load Tests of Soils DM.10134

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.42	19.61	0.39	19.60	0.40	19.60	0.34	0.34
2	0.83	19.42	0.58	19.75	0.25	19.69	0.21	0.37
3	1.25	19.36	0.64	19.69	0.27	19.57	0.43	0.46
4	1.67	19.23	0.76	19.45	0.56	19.58	0.62	0.69
5	2.08	19.05	0.95	19.30	0.80	19.58	0.82	0.89
6	2.50	18.88	1.12	19.22	0.68	19.57	0.99	0.97

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	18.88	1.12	19.22	0.68	19.57	0.99	0.97
2	1.25	18.96	0.84	19.30	0.80	19.58	0.81	0.89
3	0.825	19.14	0.66	19.41	0.69	19.57	0.73	0.79
4	0.42	19.30	0.38	19.51	0.38	19.55	0.43	0.47

Loading Stage (2)

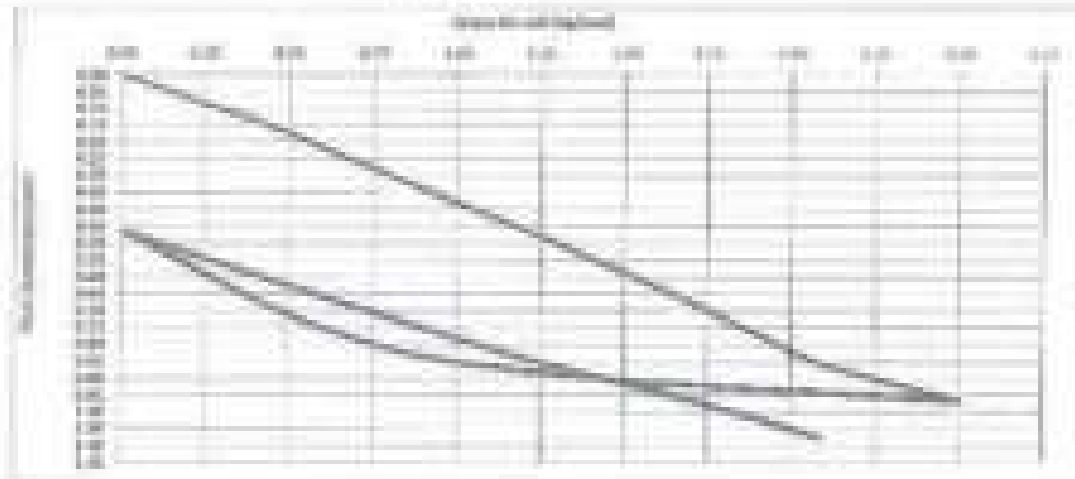
Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.37	0.73	19.49	0.50	19.46	0.55	0.59
1	0.83	19.28	0.81	19.34	0.87	19.29	0.71	0.73
2	1.25	19.07	0.98	19.23	0.78	19.15	0.86	0.85
3	1.67	18.88	1.09	19.10	0.89	19.05	0.97	0.99
4	2.08	18.69	1.21	19.00	1.00	18.96	1.08	1.07



Company Name
Project
Test Item
Report No.
Location
Test No.

Test Item Description
Shear Capacity Tests, Tests on the columns in Maria Mahrouk Primary School (B) - Damietta - Egypt
- 1998/2001
- 1998/2001
- Design 400/1000 to 400/1000
- 01

Representative Shear Force Load Time of Tests CBS-00124



Loading (1)	0	1	2	3	4	5	6
Shear (kg)	0	1180.00	2140.0	3320.0	4110.4	5010.1	5900
Stress (kg/cm²)	0.00	4.42	8.00	1.20	1.07	0.88	0.88
Settlement (mm)	0.00	0.14	0.21	0.09	0.06	0.00	0.07

Displacement	402.1	75.0000	0.00	0.0000	0.00	0.00	0.00
Test (kg/cm²) = 0.1775 second		0.00					

Loading (2)	0	1	2	3	4	5
Shear (kg)	0	1180.00	2140.0	3320.0	4110.4	5010.1
Stress (kg/cm²)	0.00	4.42	8.00	1.20	1.07	0.88
Settlement (mm)	0.00	0.00	0.12	0.00	0.00	0.07

Displacement	0.00	0.0000	0.00	0.0000	0.00	0.00	0.00
Test (kg/cm²) = 0.1775 second		0.00					

Load (kg/cm²)	1	2	3	4
Shear (kg)	1900	2210	1700	0
Stress (kg/cm²)	0.10	0.10	0.00	0.00
Settlement (mm)	0.07	0.00	0.10	0.07

Displacement	0.00
--------------	------



Test = Results of observation during the loading stage
Test = Results of observation during the unloading stage
Set = Peak displacement (mm)
Set = The difference between (1) and (2) from the maximum loading (second loading)
Set = Difference in settlement (mm) between (1) and (2) from the maximum loading stage

Company Name : Sun Rise Construction
Project : El-Dokki Tugman Taha, from El-Ain Helwan to Helwan - Helwan - Helwan Tugman (H) - Helwan to Cairo
Test Date : 15/06/2023
Report Date : 17/06/2023
Location : Station 400+525 to 400+535
Test No. : 180

Horizontal Static Plate Load Tests of Soils DM 18134

Date sheet

Loading Stage (1)

Loading	Stress kPa/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.40	14.81	0.10	15.00	0.14	15.00	0.08	0.14
2	0.80	14.66	0.21	15.00	0.26	15.00	0.28	0.27
3	1.20	14.50	0.30	15.00	0.44	15.00	0.37	0.44
4	1.60	14.35	0.35	15.00	0.57	15.00	0.64	0.55
5	1.98	14.20	0.70	15.00	0.71	15.00	0.87	0.77
6	2.30	14.08	0.80	15.00	0.88	15.00	0.80	0.85

Unloading Stage (1)

Loading	Stress kPa/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	2.30	14.08	0.80	15.00	0.88	15.00	0.80	0.85
2	1.98	14.00	0.66	15.00	0.67	15.00	0.70	0.66
3	0.825	13.95	0.70	15.00	0.78	15.00	0.84	0.76
4	0.01	13.90	0.38	15.00	0.38	15.00	0.30	0.38

Loading Stage (2)

Loading	Stress kPa/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.40	15.00	0.21	15.00	0.32	15.00	0.41	0.45
1	0.80	14.86	0.44	15.00	0.55	15.00	0.56	0.55
2	1.20	14.70	0.77	15.00	0.85	15.00	0.85	0.79
3	1.60	14.54	0.88	15.00	0.89	15.00	0.79	0.83
4	2.00	14.37	0.88	15.00	0.94	15.00	0.88	0.94



[illegible]

Category Name : Soil Rise Construction
Project : Shoubra El-Khayma Train, from Al-Ain Station to Maryut Station Priority Service (S) - Shoubra El-Khayma
Test Date : 15/06/2023
Report Date : 17/06/2023
Location : Station 448+838 to 449+525
Test No. : 01

Horizontal Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.42	15.15	0.15	15.01	0.15	15.15	0.15	0.15
2	0.85	15.30	0.30	15.16	0.32	15.32	0.30	0.30
3	1.25	15.45	0.45	15.32	0.48	15.40	0.40	0.43
4	1.67	15.60	0.60	15.47	0.68	15.50	0.70	0.66
5	2.00	15.75	0.75	15.62	0.78	15.67	0.88	0.79
6	2.50	15.90	0.90	15.77	0.85	15.80	0.97	0.92

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
6	2.50	15.90	0.90	15.77	0.85	15.80	0.97	0.92
5	2.00	15.75	0.85	15.62	0.78	15.67	0.90	0.84
3	0.85	15.45	0.45	15.48	0.58	15.50	0.74	0.55
4	0.00	15.30	0.30	15.35	0.34	15.30	0.42	0.34

Loading Stage (2)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	15.15	0.42	15.02	0.33	15.03	0.51	0.44
1	0.85	15.32	0.85	15.18	0.44	15.19	0.62	0.73
2	1.25	15.50	0.79	15.35	0.55	15.37	0.73	0.69
3	1.67	15.70	0.85	15.55	0.82	15.57	0.83	0.75
4	2.00	15.90	0.90	15.75	0.89	15.76	0.94	0.90



المشروع: 2021-2022
المشروع: 2021-2022
المشروع: 2021-2022

Company Name : Sam Risa Construction
 Project : Shamsa Express Train from Al Ain Station to Marfa Station Priority (Sector 30) - Marfa to Fula
 Test Date : 15/06/2017
 Report No. : 1506/0022
 Location : Station 488+575 to 489+000
 Test No. : 34

Compressive Static Plate Load Tests of Soils DN.18134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	30.00	0.00	30.00	0.00	30.00	0.00	0.00
1	0.42	19.71	0.23	19.82	0.58	19.75	0.34	0.22
2	0.83	19.34	0.36	19.57	0.73	19.62	0.38	0.30
3	1.25	19.00	0.61	19.33	0.87	19.45	0.55	0.51
4	1.67	18.38	0.84	18.60	0.89	18.37	0.83	0.83
5	2.08	17.76	0.79	18.00	0.72	18.35	0.74	0.74
6	2.50	17.10	0.90	17.29	0.67	18.00	0.92	0.90

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	0.50	19.20	0.50	19.10	0.67	19.05	0.62	0.50
2	1.00	18.20	0.82	18.21	0.79	18.17	0.63	0.81
3	0.825	18.30	0.75	18.24	0.60	18.15	0.72	0.65
4	0.71	18.05	0.68	18.00	0.54	18.00	0.66	0.70

Loading Stage (2)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.00	0.50	19.00	0.60	19.00	0.50	0.50
1	0.83	18.00	0.80	18.00	0.81	18.00	0.87	0.83
2	1.25	17.10	0.81	17.10	0.78	17.15	0.85	0.81
3	1.67	16.64	0.96	16.60	0.80	16.60	0.93	0.90
4	2.08	16.00	1.11	16.07	1.05	16.05	1.05	1.05



7. في المبدأ، لا يمكن
الرجوع إلى المبدأ
الذي هو: "المبدأ"
الذي هو: "المبدأ"
الذي هو: "المبدأ"

Company Name : Sun Wise Construction
Project : El-Dokki Express Train, from El-Dokki Station to Helwan - Helwan Property Sector (B) - Helwan to Helwan
Test Date : 19/06/2023
Report Date : 17/06/2023
Location : Station 448+000 to 449+025
Test No. : 08

Horizontal Static Plate Load Tests of Soils DN 18134

Data sheet

Loading Stage (1)

Loading	Stress kPa/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	19.00	0.00	19.00	0.00	19.00	0.00	0.00
1	0.42	19.00	0.26	19.15	0.28	19.15	0.26	0.25
2	0.83	19.04	0.58	19.18	0.43	19.04	0.58	0.57
3	1.25	19.04	0.96	19.16	0.87	19.05	0.96	0.91
4	1.67	19.05	0.91	19.15	0.73	19.05	0.96	0.88
5	2.08	19.05	0.73	19.17	0.83	19.04	0.76	0.77
6	2.50	19.04	0.84	19.08	0.87	19.01	0.89	0.85

Unloading Stage (1)

Loading	Stress kPa/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	1.25	19.08	0.64	19.08	0.87	19.05	0.88	0.80
2	1.25	19.15	0.75	19.18	0.87	19.12	0.78	0.80
3	0.825	19.05	0.81	19.08	0.74	19.05	0.84	0.80
4	0.41	19.10	0.30	19.01	0.38	19.07	0.33	0.34

Loading Stage (2)

Loading	Stress kPa/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.42	19.18	0.48	19.18	0.58	19.18	0.48	0.45
1	0.83	19.45	0.54	19.40	0.88	19.42	0.56	0.57
2	1.25	19.08	0.67	19.15	0.77	19.09	0.73	0.73
3	1.67	19.18	0.82	19.08	0.81	19.15	0.85	0.80
4	2.08	19.08	1.00	19.05	1.05	19.02	0.99	1.01



Company Name : Sun Rise Construction
Project : Rashtk Express Train, from M.Ah. Station to Marsa Matruh Port (2) - Rashtk to Fatah
Test Item : 15000803
Report Ref : 170620823
Location : Station 443+625 to 449+550
Test No. : 66

Non-specified Static Plate Load Tests of Soils DN 10134

Date sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	16.00	0.00	16.00	0.00	16.00	0.00	0.00
1	0.42	16.70	0.30	16.60	0.30	16.70	0.30	0.30
2	0.83	16.40	0.57	16.30	0.50	16.30	0.50	0.47
3	1.25	16.37	0.70	16.20	0.40	16.20	0.30	0.65
4	1.67	16.10	0.90	16.00	0.60	16.10	0.60	0.75
5	2.08	16.00	0.90	15.90	0.70	16.00	0.60	0.80
6	2.50	16.00	1.30	15.90	0.80	16.00	1.00	0.90

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	0.80	16.00	0.80	15.90	0.80	16.00	1.00	0.80
2	1.20	16.00	1.00	15.90	0.70	16.00	0.90	0.90
3	0.825	16.00	0.90	15.90	0.60	16.00	0.80	0.70
4	0.00	16.00	0.50	15.90	0.50	16.00	0.60	0.50

Loading Stage (2)

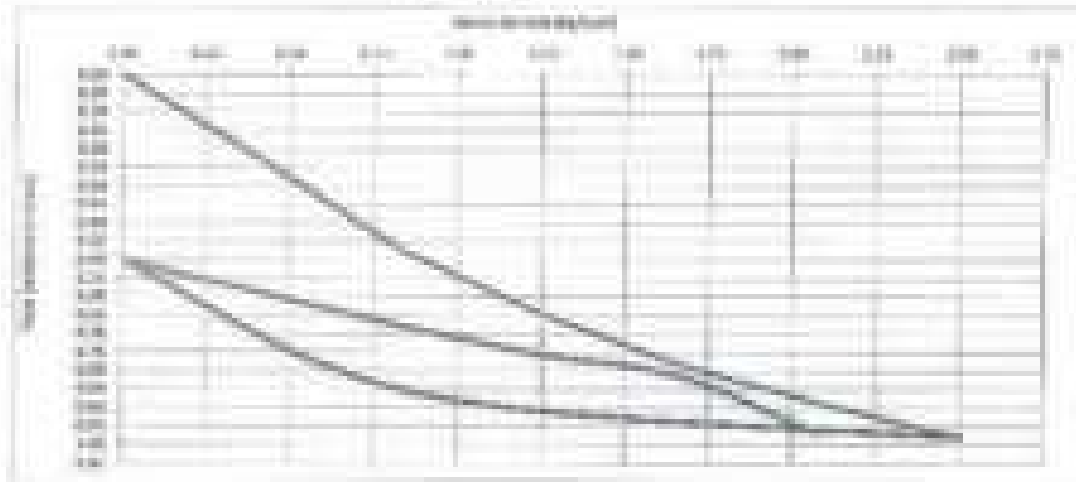
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	16.37	0.60	16.30	0.60	16.30	0.60	0.60
1	0.83	16.30	0.80	16.40	0.80	16.30	0.70	0.68
2	1.25	16.30	0.70	16.30	0.60	16.30	0.60	0.70
3	1.67	16.30	0.80	16.30	0.70	16.30	0.80	0.80
4	2.08	16.30	1.10	16.30	0.80	16.30	0.90	0.90



Company Name
Project
Test Date
Report No.
Location
Test No.

For This Construction
Flexure Experiment Title: Area of the Section to Meas. Moment-Plasticity Ratio (M_p - Area) to Plastic
MOMENT
From 1000
Location 100000 to 100000
Test No.

Maximum Plastic Flow Load Tests of Beams EN 1034



Loading (T)	0	1	2	3	4	5	6
Support (kN)	0	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Beam Deflection (mm)	0.00	1.42	0.00	1.20	1.07	0.90	0.70
Support (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Loading (T)	1	2	3	4
Support (kN)	1100.00	2200.00	3300.00	4400.00
Beam Deflection (mm)	1.42	1.20	1.07	0.90
Support (mm)	0.00	0.00	0.00	0.00

Support (kN)	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Beam Deflection (mm)	1.42	1.20	1.07	0.90	0.70	0.50

Loading (T)	0	1	2	3	4	5
Support (kN)	0	1100.00	2200.00	3300.00	4400.00	5500.00
Beam Deflection (mm)	0.00	1.42	0.00	1.20	1.07	0.90
Support (mm)	0.00	0.00	0.00	0.00	0.00	0.00

Support = 0.1

Support (kN)	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Beam Deflection (mm)	1.42	1.20	1.07	0.90	0.70	0.50

EN 1034 - Maximum of deflection during the loading stage
EN 1034 - Maximum of deflection during the unloading stage
EN 1034 - Plastic deflection (mm)
EN 1034 - The difference between EN 1034 and EN 1034 (mm) for maximum loading (EN 1034)
EN 1034 - Difference in maximum deflection (mm) between EN 1034 and EN 1034 (mm) for maximum loading



Optimal control

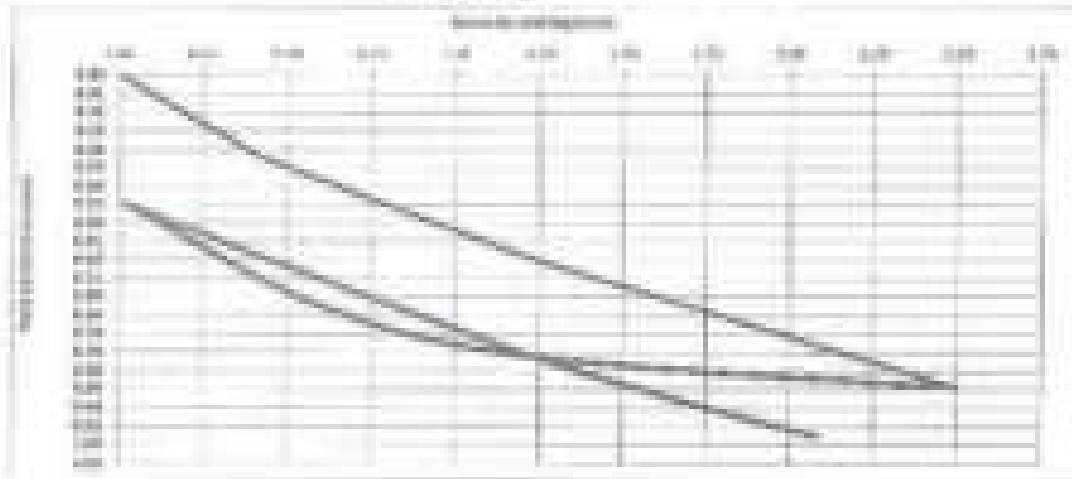
Location	Stream Height2	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
			mm		mm		mm	
1	0.42	10.00	0.44	10.00	0.48	10.00	0.45	0.45
1	0.62	10.43	0.58	10.00	0.61	10.00	0.70	0.60
2	1.25	10.28	0.71	10.00	0.76	10.00	0.68	0.72
3	1.67	10.00	0.64	10.13	0.88	10.00	0.88	0.88
4	2.08	10.00	0.81	10.00	0.88	10.00	1.00	0.88



Drawing Name
Project
Date Issued
Project Code
Location
Scale

Test Item Description
Electric Exposure Tests, from Al Ma. Station to Maadi. Maximum Monthly Index (M) = 1000000 to 10000000
10000000
10000000
10000000 to 10000000
10000000

Non-adiabatic Steady State Load Tests of Cells EN 10134



Loading (%)	0	1	2	3	4	5	6
Temperature	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Stress (MPa)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Strain (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

Loading (%)	1	2	3	4
Temperature	1000	1000	1000	0
Stress (MPa)	0.40	0.80	1.20	1.60
Strain (mm)	0.01	0.02	0.03	0.04

1. The ratio of the maximum to the minimum load (R) is 1.00. The ratio of the maximum to the minimum temperature (T) is 1.00. The ratio of the maximum to the minimum stress (S) is 1.00. The ratio of the maximum to the minimum strain (E) is 1.00.

Loading (%)	0	1	2	3	4	5	6
Temperature	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Stress (MPa)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Strain (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

1. The ratio of the maximum to the minimum load (R) is 1.00.

2. The ratio of the maximum to the minimum load (R) is 1.00. The ratio of the maximum to the minimum temperature (T) is 1.00. The ratio of the maximum to the minimum stress (S) is 1.00. The ratio of the maximum to the minimum strain (E) is 1.00.

- EN 10134: Test method for determining the loading rate.
- EN 10134: Test method for determining the loading rate.
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- EN 10134: Test method for determining the loading rate.



Company Name : Sam Rana Construction
Project : El-Dokki Express Yards, Sam Al-Jad, Sector 10, Helwan Governorate (Sector 10) - Helwan Governorate
Test Item : 18000000
Report Date : 17/06/2023
Location : Station 400+070 to 400+700
Test No. : 00

Nonexpelling Static Plate Load Tests of Soils ON 18134

Date sheet

Loading Stage (I)

Loading	Stress Kgf/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	00.00	0.00	00.00	0.00	00.00	0.00	0.00
1	0.42	10.00	0.19	10.00	0.14	10.00	0.23	0.19
2	0.83	10.00	0.33	10.00	0.29	10.00	0.37	0.33
3	1.25	10.00	0.48	10.00	0.44	10.00	0.50	0.48
4	1.67	10.00	0.64	10.00	0.58	10.00	0.67	0.62
5	2.09	10.00	0.79	10.00	0.73	10.00	0.80	0.78
6	2.50	10.00	0.91	10.00	0.85	10.00	0.96	0.91

Unloading Stage (I)

Loading	Stress Kgf/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	1.00	10.00	0.81	10.00	0.80	10.00	0.96	0.81
2	1.38	10.00	0.88	10.00	0.77	10.00	0.87	0.83
3	0.83	10.00	0.79	10.00	0.64	10.00	0.73	0.76
4	0.42	10.00	0.42	10.00	0.38	10.00	0.40	0.42

Loading Stage (2)

Loading	Stress Kgf/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.42	10.00	0.38	10.00	0.33	10.00	0.35	0.35
1	0.83	10.00	0.71	10.00	0.62	10.00	0.70	0.70
2	1.25	10.00	0.81	10.00	0.88	10.00	0.87	0.83
3	1.67	10.00	0.93	10.00	0.89	10.00	0.88	0.93
4	2.09	10.00	1.04	10.00	1.00	10.00	1.09	1.04



1000

100

100

100

100

100

[illegible]

Journal of Management Education 34(10): 1139-1150, 2010. © 2010 Sage Publications
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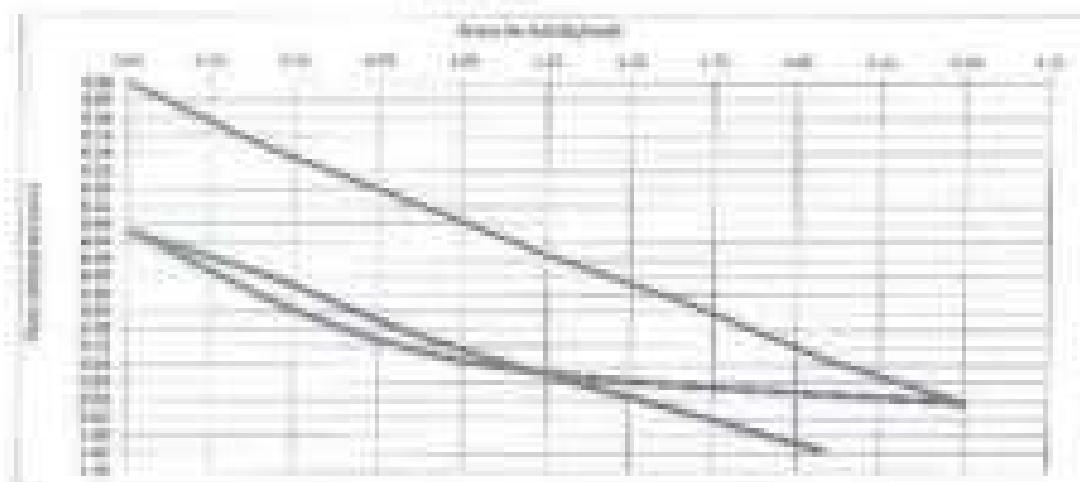
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Initial condition (°C)	1	2	3	4
Storage (°C)	19.60	20.22	17.98	6
Storage (°C)/day	0.176	1.202	0.000	0.176
Temperature (°C)	0.176	0.000	0.000	0.176

1. Company Name: ABC Corp.	2. Product/Service: XYZ Software	3. Market Segment: B2B	4. Geographic Focus: North America
5. Primary Competitor: DEF Inc.	6. Key Strengths: Innovation, Customer Support	7. Weaknesses: Limited Marketing Budget	8. Opportunities: Emerging Markets

Variable (D)	0	1	2	3	4	5
Mean (D)	0	1000.00	2000.00	3000.00	4000.00	5000.00
Standard Deviation	0.00	1.41	2.83	4.24	5.66	7.07
Minimum (D)	0.00	0.00	0.00	0.00	0.00	0.00

Page 1 of 1	1
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22 years = 1997	11 years = 1992	10 years = 1991	11 = 1992
Red signal = 1997	1998		

Figure 1. Monitoring of groundwater quality in the study area.

Source: *Author's calculations*.

1000

FIGURE 2. The estimated marginal mean (SEM) of the number of correct responses for the 10-item test. The number of correct responses was significantly higher for the 10-item test than for the 5-item test ($p < 0.001$).

Table 7. Summary of estimated parameters corresponding to the 1000 iterations of the stochastic modeling.



Company Name : Sam Hane Construction
Project : Station Excavated Trench, Road A/34, Section to Station Station (Pavement Surface) - Station to 1+725
Test Date : 15/06/2023
Report Date : 17/06/2023
Location : Station 440+750 to 440+725
Test No. : 08

Measurement Static Plate Load Tests of Soils DATA 18134

Continued

Loading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.42	15.10	0.21	15.05	0.18	15.15	0.22	0.20
2	0.83	15.25	0.38	15.20	0.31	15.40	0.37	0.37
3	1.25	15.30	0.50	15.15	0.45	15.25	0.71	0.55
4	1.67	15.30	0.64	15.40	0.68	15.10	0.85	0.66
5	2.08	15.21	0.78	15.25	0.74	15.00	1.00	0.84
6	2.50	15.15	0.90	15.15	0.80	15.05	1.15	0.98

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	1.65	15.05	0.80	15.15	0.55	15.01	1.10	0.88
2	1.25	15.20	0.60	15.15	0.70	15.00	1.00	0.80
3	0.83	15.35	0.40	15.25	0.60	15.10	0.90	0.71
4	0.42	15.40	0.30	15.10	0.50	15.10	0.40	0.37

Loading Stage (2)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.42	15.07	0.43	15.00	0.30	15.43	0.50	0.45
1	0.83	15.43	0.57	15.11	0.48	15.01	0.60	0.58
2	1.25	15.30	0.68	15.41	0.65	15.10	0.75	0.68
3	1.67	15.10	0.75	15.30	0.65	15.07	0.85	0.75
4	2.08	15.10	0.87	15.25	0.75	15.05	1.04	0.88



Company Name:

Project:

Test Title:

Report No.:

Location:

Date By:

Soil Mass Distribution:

Proctor Optimum Value, w_p at air-drying to Mass: Standard Proctor Value (g) - Moisture (%)

1000/900

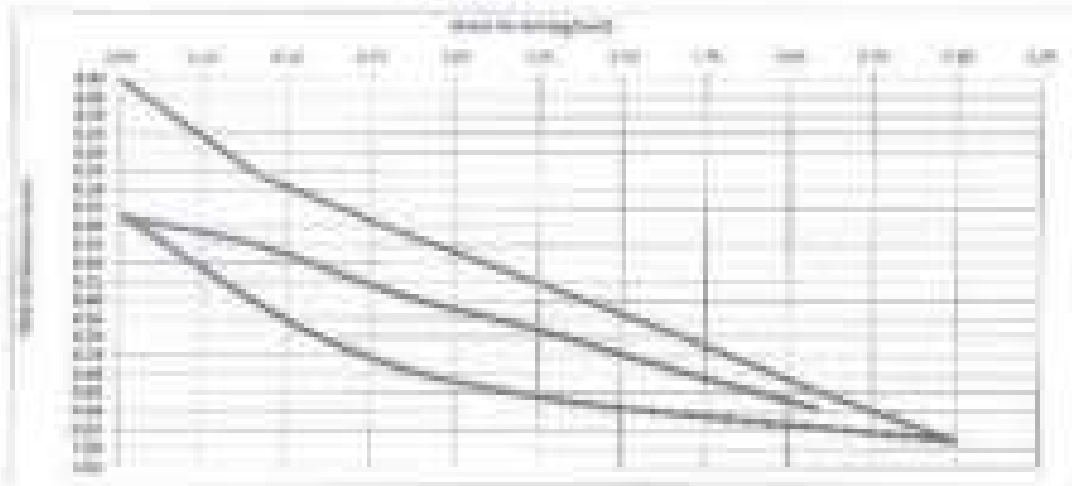
1000/900

Moisture (water) is 900/100

90

Standardized Data Chart Load Tests of Soils

1000/900



Loading (%)	0	1	2	3	4	5	6
Moisture (%)	0	100.00	100.00	100.00	100.00	100.00	100.00
Settlement (mm)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement (mm)	0.00	0.20	0.40	0.60	0.80	1.00	1.20

Loading (%)	1	2	3	4
Moisture (%)	100.00	100.00	100.00	100.00
Settlement (mm)	0.40	0.80	1.20	1.60
Settlement (mm)	0.20	0.40	0.60	0.80

Soil Sample	100	100	100	100	100	100	100
Soil Sample	100	100	100	100	100	100	100

Settlement (%) 1.0

Loading (%)	0	1	2	3	4	5	6
Moisture (%)	0	100.00	100.00	100.00	100.00	100.00	100.00
Settlement (mm)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement (mm)	0.00	0.20	0.40	0.60	0.80	1.00	1.20

Soil Sample	100	100	100	100	100	100	100
Soil Sample	100	100	100	100	100	100	100

Soil = Moisture of settlement during the loading stage

Soil = Moisture of settlement during the loading stage

Soil = Moisture of settlement

Soil = The difference between S_1 and S_2 from the standard loading stage (g)

Soil = Difference in settlement (mm) between S_1 and S_2 from the standard loading stage



Company Name : Ben Elze Construction
Project : Electric Highways Tests from M. Elze Station to Elze Station - Ministry of Public Works
Test Date : 15/06/2022
Report Date : 17/06/2022
Location : Station 445+17500 - 445+17510
Test No. : 39

Noncompetitive Static Plate Load Tests of Soils CEN 10134

Data sheet

Loading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	25.28	0.00	25.28	0.00	25.28	0.00	0.00
1	0.40	25.25	0.30	25.25	0.30	25.25	0.30	0.30
2	0.80	25.22	0.60	25.22	0.60	25.22	0.60	0.60
3	1.20	25.20	0.80	25.20	0.80	25.20	0.80	0.80
4	1.60	25.18	1.00	25.18	1.00	25.18	1.00	1.00
5	2.00	25.17	1.20	25.17	1.20	25.17	1.20	1.20
6	2.40	25.15	1.40	25.15	1.40	25.15	1.40	1.40

Unloading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	2.00	25.25	0.80	25.25	0.80	25.25	0.80	0.80
2	1.20	25.24	0.60	25.24	0.60	25.24	0.60	0.60
3	0.80	25.23	0.40	25.23	0.40	25.23	0.40	0.40
4	0.01	25.22	0.30	25.22	0.30	25.22	0.30	0.30

Loading Stage (2)

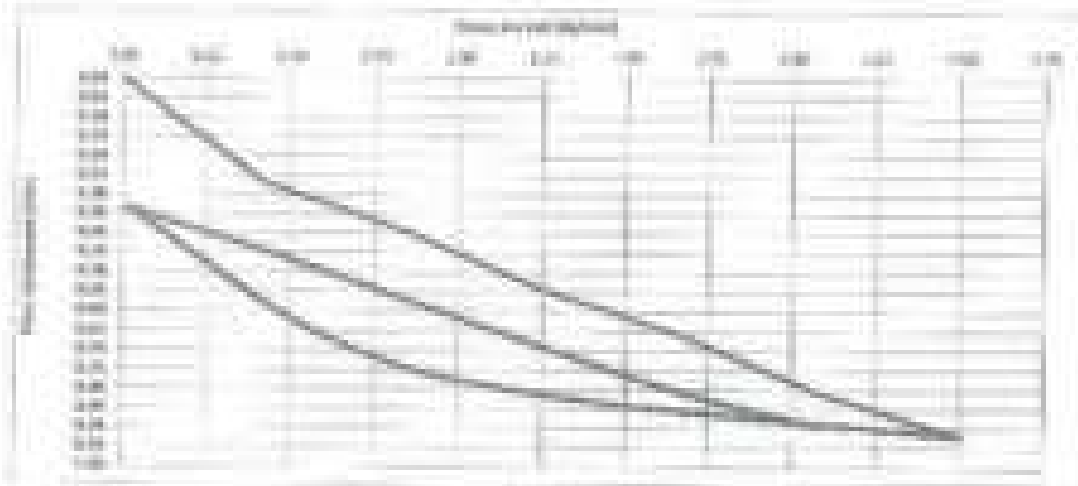
Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.40	25.28	0.40	25.28	0.40	25.28	0.40	0.40
1	0.80	25.41	0.80	25.41	0.80	25.41	0.80	0.80
2	1.20	25.25	0.70	25.25	0.80	25.32	0.80	0.80
3	1.60	25.18	0.80	25.20	0.80	25.20	0.80	0.80
4	2.00	25.18	0.90	25.18	0.80	25.24	0.80	0.80



Engineering Name:
Project:
Test Date:
Report Date:
Location:
Test No.:

1. Soil Name: Clayey Silts
2. Moisture Content: 25.5%
3. Liquid Limit: 25.5%
4. Plastic Limit: 10.5%
5. Shrinkage Ratio: 0.95
6. Soil No.:

Compressive Strength Plate Load Tests of Soil
CNS-101.04



Loading (kN)	0	1	2	3	4	5	6
Moisture	0	100.00	100.00	100.00	100.00	100.00	100.00
Moisture (g/g)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Loading (kN)	0	1	2	3	4	5
Moisture	0	100.00	100.00	100.00	100.00	100.00
Moisture (g/g)	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00

Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Loading (kN)	1	2	3	4
Moisture	100.00	100.00	100.00	100.00
Moisture (g/g)	0.00	0.00	0.00	0.00
Settlement (mm)	0.00	0.00	0.00	0.00

Settlement = 0.00

ST = Settlement of specimen during the loading stage.
ST = Settlement of specimen during the unloading stage.
ST = Settlement of specimen during the reloading stage.
ST = Settlement of specimen during the unloading stage.
ST = Settlement of specimen during the reloading stage.
ST = Settlement of specimen during the unloading stage.



Company : **Sun Rise Construction**

Project : Electric Capres Train, Al Ain Station to Marfa, Marfaah Priority Sector (B)
Almarin in Foka
Subject : Determining the deformation and strength characteristics of soil by the plate
loading test according specifications DIN 18134:2012-04 and project requirements
Test Location : (448+525 to 448+600)
Test Date : 04/04/2023
Report Date : 05/04/2023
Type of soil : —
Test level : Prepared Subgrade
Report No. : 177150

Dear Gentleman,

According to the above mentioned subject the test performed as follows:

Apparatus

1. Loading plates consist of two plates with 600 mm and 300 mm diameter
2. The thickness of plates 30 mm
3. Dial gauges with accuracy 0.01 mm in measuring the settlement
4. Steel straightedge with magnetic supports to hold the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 750 Bar (Overhead)
7. Reaction loading system by roller composite with weight approximately 18 ton
8. Calibration certificate are attached

Test Procedure

1. Clear the ground on test area to the required level with undisturbed soil
2. Install loading plate 600 mm and 300 mm diameter, hydraulic jack and 3 dial gauges
3. Prior to starting the test applied preloading about 30 seconds.
4. The strain gauge and the dial gauge shall be set to zero
5. For a 600 mm testing plate, the first values are 2.5 kg/cm^2
6. The load shall be applied in six stages, in approximately equal increments, until the applied maximum normal stress is reached.
7. Each change in load from stage to stage shall be completed within one minute
8. The load shall be released in 3 stages, in 50 %, 25 %, and approximately 2 % of the maximum load.
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached)
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min.
11. Remove the loads

مكتب استشارات الهندسة والاختبارات
الهندسة المدنية
بناية 101 - 102 - 103 - 104
شارع خليفة - العين

Result

1. Evaluation and representation of results
2. Load Settlement curve
3. The test report contain the following:-
 - Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of bedding material below the plate - Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading settlement curve
 - Description of the soil condition below the plate after testing

Report

Type of soil: Prepared Subgrade .

- Job requirement: $E_{v2} > 800 \text{ Kg/cm}^2$ (80 MPa).

Observation	
- Type of bedding material below the plate	Prepared Sub
- Weather condition	Partly Sunny
- Plate Diameter (mm)	600
- date of measurement	04/04/2023
- Unusual observation made during test	NO
- Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results

Test No.	Normal Stress σ_v (kg/cm ²)	Normal Stress σ_v (MPa)	Settlement s_v (mm)	Settlement s_v (mm)	E_{v2} (MPa)
1	448-8525	448-550	908	1807	1.7
2	448-560	448-575	776	1875	2.4
3	448-575	448-600	1098	2250	2.1
4	448-600	448-625	776	1807	2.1

Signature / 


Company Name : Sun Rise Construction,
Project : Shady Elmasrout Train, from 4500' Station to 5000' Station, Ministry Planning Sector 04 - Shady El-Masrout
Test Date : 04/04/2017
Report Date : 05/04/2017
Location : Station 4500+000 to 4600+000
Test No. : 01

Incremental Static Plate Load Tests of Soils CPL 10134

Data sheet

Loading Stage (I)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.47	19.90	0.10	19.90	0.10	19.90	0.10	0.10
2	0.93	19.80	0.15	19.87	0.20	19.71	0.18	0.18
3	1.39	19.80	0.20	19.75	0.25	19.60	0.20	0.20
4	1.87	19.75	0.30	19.70	0.30	19.65	0.30	0.30
5	2.33	19.65	0.37	19.54	0.40	19.50	0.39	0.39
6	2.80	19.57	0.51	19.40	0.50	19.35	0.50	0.50

Unloading Stage (I)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	2.30	19.45	0.51	19.45	0.50	19.35	0.50	0.50
2	1.85	19.37	0.46	19.35	0.40	19.20	0.38	0.38
3	1.40	19.25	0.30	19.15	0.25	19.10	0.28	0.28
4	0.95	19.17	0.20	19.10	0.15	19.07	0.18	0.18

Loading Stage (II)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	19.04	0.00	19.04	0.00	19.04	0.00	0.00
1	0.93	18.94	0.10	19.04	0.00	19.00	0.10	0.07
2	1.87	18.84	0.20	19.00	0.00	18.95	0.20	0.07
3	2.80	18.70	0.25	18.95	0.00	18.90	0.25	0.07
4	3.73	18.55	0.35	18.85	0.00	18.80	0.35	0.07



Abstract

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Using These Instructions

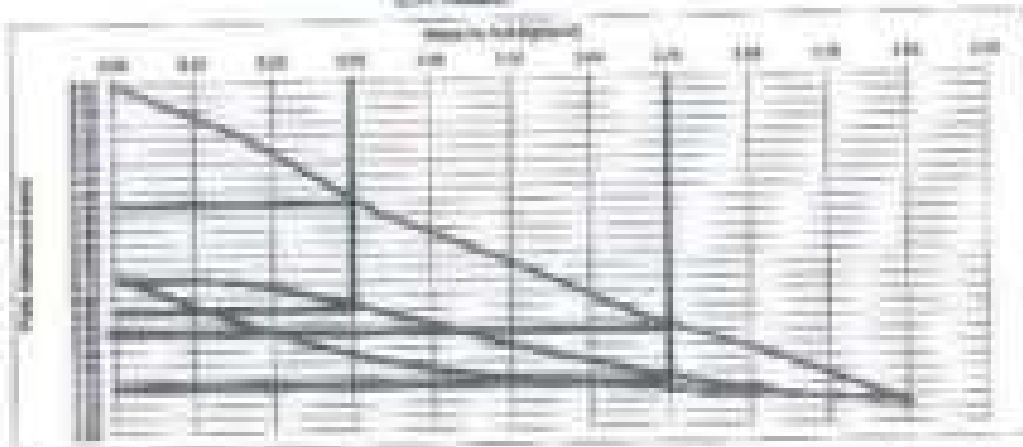
Journal of Management Inquiry 22(1) 3-14
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DOI: 10.1177/1056492613505111

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1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Proceedings of the 1998 IEEE Conference on Systems, Man, and Cybernetics, Vol. 1, pp. 100-105, 1998.



Location (°E)	0	1	2	3	4	5
Temperature	0	11.00	12.00	13.00	14.00	15.00
Pressure (hPa)	1.00	1.00	1.00	1.00	1.00	1.00
Humidity (%)	0.00	0.00	0.00	0.00	0.00	0.00
Wind Speed (m/s)	0.00	0.00	0.00	0.00	0.00	0.00
Wind Direction (°)	0.00	0.00	0.00	0.00	0.00	0.00
Cloud Cover (%)	0.00	0.00	0.00	0.00	0.00	0.00
Sea Level Pressure (hPa)	1.00	1.00	1.00	1.00	1.00	1.00
Surface Current (m/s)	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Depth (m)	0.00	0.00	0.00	0.00	0.00	0.00

Category	1	2	3	4
Category 1	1000	1000	1000	0
Category 2	1000	1000	1000	1000
Category 3	1000	1000	1000	1000

Category	1	2	3	4	5	6
Category 1	1.000	0.500	0.250	0.125	0.0625	0.03125
Category 2	0.500	1.000	0.500	0.250	0.125	0.0625
Category 3	0.250	0.500	1.000	0.500	0.250	0.125
Category 4	0.125	0.250	0.500	1.000	0.500	0.250
Category 5	0.0625	0.125	0.250	0.500	1.000	0.500
Category 6	0.03125	0.0625	0.125	0.250	0.500	1.000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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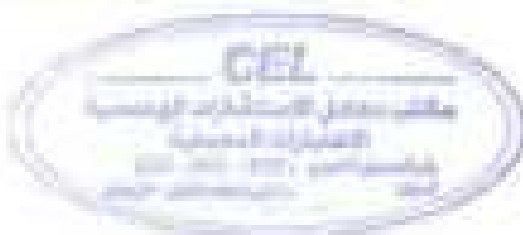
Figure 1. Schematic diagram of the experimental setup.

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Company Name : **Bass Was Construction**
 Project : **El-Dokki Express Train, from El-Dokki Station to Metro - El-Dokki Station (2) - station to Metro**
 Test Date : **05/04/2022**
 Report Date : **05/04/2022**
 Location : **Station 445+000 to 445+070**
 Test No. : **100**

Minimum/Max Static Plate Load Tests of Soils CEH.10124

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.40	20.75	0.31	19.65	0.20	19.70	0.30	0.27
2	0.80	20.40	0.40	19.28	0.71	19.40	0.60	0.57
3	1.20	19.40	0.54	18.07	0.89	18.00	1.04	0.84
4	1.60	18.10	0.75	16.80	1.17	16.70	1.27	1.09
5	2.00	16.00	0.91	15.64	1.29	15.60	1.39	1.21
6	2.40	14.00	1.10	14.40	1.61	14.00	1.60	1.47

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
1	2.40	14.40	1.10	14.40	1.31	14.20	1.20	1.21
2	1.60	16.00	1.06	16.07	1.43	16.00	1.40	1.30
3	0.80	18.00	0.87	18.71	1.28	18.77	1.20	1.10
4	0.40	19.60	0.30	19.60	1.08	19.60	0.90	0.80

Loading Stage (2)

Loading	Stress kg/cm ²	Dist 1	Settlement mm	Dist 2	Settlement mm	Dist 3	Settlement mm	Average
0	0.00	18.27	0.00	18.00	1.10	18.00	1.00	1.01
1	0.40	19.04	0.06	18.50	1.01	18.40	1.12	1.10
2	0.80	19.00	1.00	18.40	1.34	18.70	1.20	1.20
3	1.20	18.00	1.10	18.07	1.43	18.00	1.30	1.31
4	1.60	16.20	1.24	16.00	1.60	16.00	1.43	1.39



1999



Company Name : San Hsin Construction
 Project : Road Expansion Work, Area of Site Located in Hsinchu, Hsinchu County (Hsinchu City) - Hsinchu City
 Test Date : 04/04/2023
 Report Date : 10/04/2023
 Location : Station 445+070 to 445+080
 Test No. : 108

Proctor/Other Static Plate Load Tests of Soils (BS 1372)

Data sheet

Loading Stage (1)

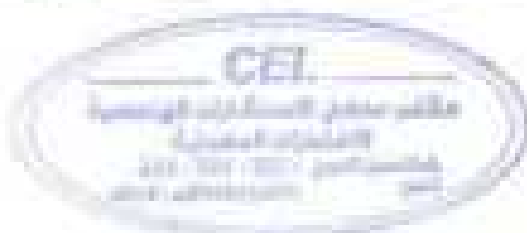
Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.50	19.40	0.10	19.44	0.09	19.28	0.20	0.10
2	0.50	19.75	0.20	19.50	0.08	19.20	0.21	0.10
3	1.00	19.45	0.30	19.00	0.20	19.20	0.20	0.10
4	1.50	19.36	0.40	18.92	0.30	19.14	0.20	0.10
5	2.00	19.40	0.70	18.60	0.70	18.70	0.20	0.10
6	2.00	19.14	0.80	18.40	0.80	18.70	0.20	0.10

Unloading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
1	0.50	19.14	0.40	18.90	0.40	18.70	0.30	0.10
2	1.00	19.08	0.50	18.80	0.40	18.60	0.10	0.10
3	0.005	19.00	0.70	18.70	0.20	18.60	0.00	0.00
4	0.00	18.90	0.80	18.50	0.70	18.30	0.70	0.00

Loading Stage (2)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.00	19.40	0.00	19.00	0.00	19.20	0.00	0.00
1	0.50	19.40	0.70	18.80	0.10	19.00	0.00	0.00
2	1.00	19.20	0.70	18.60	0.20	18.80	0.00	0.00
3	1.50	19.00	0.80	18.50	0.40	18.60	0.00	0.00
4	2.00	19.10	0.80	18.50	0.50	18.70	0.00	0.00



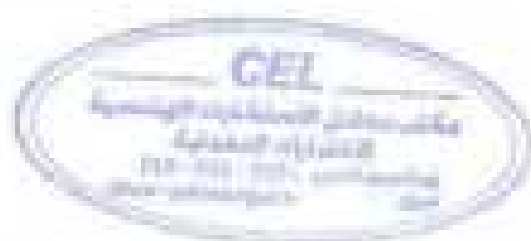
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Test reading (T)	F	B	B	B
Ungraded	1000	1000	1000	0
Grades 1-10	0.00	1.25	0.00	0.00
Postgraduate	1.25	1.00	0.00	0.00

Learning 28	0	1	2	3	4	5
Original	0	100.00	100.0	100.0	100.0	100.0
Learned (logit)	0.00	0.42	0.50	0.50	0.50	0.50
Estimated (logit)	0.00	0.50	0.50	0.50	0.50	0.50
22 items = 0.00		0.00	0.00	0.00	0.00	0.00
Estimated = 0.00 (0.00)			0.00			

1	2
---	---

(b) = Number of observations using the leading edge;
 (c) = Number of observations using the following edge;
 (d) = Plate density (gms);
 (e) = The observed frequency of 0 and 1 for the common leading (green) pattern;
 (f) = Observed to expected ratio for 0 and 1 for the common leading (green) pattern.



Company Name : Sun Rise Construction
 Project : Double Bayonet Bridge, from 40 to 420 meters (between Primary Station 40 – Secondary to 420)
 Test Date : 04/04/2023
 Report Date : 05/04/2023
 Location : Section 400+000 to 440+000
 Test No. : 08

Roomweather Static Plate Load Tests of Soils DM 10124

Data sheet

Loading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.20	10.19	0.20	10.20	0.20	10.21	0.20	0.20
2	0.40	10.39	0.39	10.39	0.39	10.39	0.39	0.39
3	0.60	10.49	0.50	10.50	0.50	10.50	0.50	0.50
4	0.80	10.70	0.69	10.69	0.69	10.70	0.69	0.69
5	1.00	10.72	0.72	10.72	0.72	10.72	0.72	0.72
6	1.20	10.70	0.70	10.70	0.70	10.70	0.70	0.70

Unloading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	0.20	10.30	0.20	10.40	0.24	10.30	0.21	0.21
2	0.30	10.23	0.30	10.24	0.40	10.20	0.30	0.30
3	0.40	10.22	0.70	10.22	0.50	10.20	0.40	0.40
4	0.50	10.32	0.40	10.30	0.30	10.20	0.30	0.30

Loading Stage (2)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
0	0.50	10.24	0.70	10.30	0.37	10.30	0.30	0.30
1	0.60	10.12	0.87	10.30	0.30	10.20	0.29	0.29
2	0.80	10.24	0.80	10.27	0.43	10.30	0.44	0.43
3	1.00	10.30	0.82	10.20	0.40	10.40	0.50	0.50
4	0.80	10.20	0.70	10.40	0.30	10.20	0.30	0.30



Company Name:
Project:
Test No.:
Report No.:
Location:
Test No.:

- Base Slab Construction:
- Slab Slender Ratio: 10.0 (at the bottom is shown - Maximum Slender Ratio: 10.0 - Slender Ratio)
- Reinforcement:
- Material:
- Section: 1000 mm x 1000 mm
- 100

Successive Tests / Step Load Tests of Slab Pile 1000



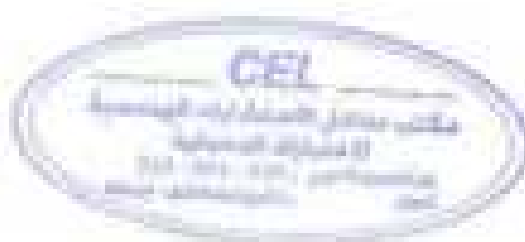
Loading (kN)	1	2	3	4	5	6	7
Step Load	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Slab Deflection (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Slab Load	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Slab Load	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Loading (kN)	1	2	3	4
Step Load	0.00	0.00	0.00	0.00
Slab Deflection (mm)	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00

Loading (kN)	1	2	3	4	5	6	7
Step Load	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
Slab Deflection (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforcement (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Slab Load	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Slab Load	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Slab Load = 0.00

100 - Maximum of deflection during the loading stage.
100 - Maximum of deflection during the following stage.
100 - Free deflection stage.
100 - Free deflection stage.
100 - Free deflection stage.
100 - Free deflection stage.



Company : Suez Canal Construction

Project : Electric Caprosal Train, Al Ain Station to Matruh Suburban Railway Sector (00)
- Alamin to Foka

Subject : Determine the deformation and strength characteristics of soil by the plate loading test according specifications: CEN 10134-2012-04 and project requirements.

Test Location : (440+100 to 440+200)

Test Date : 13/06/2023

Report Date : 14/06/2023

Type of soil : —

Test level : Sub ballast

Report No. : 230/230

Dear Gentlemen,

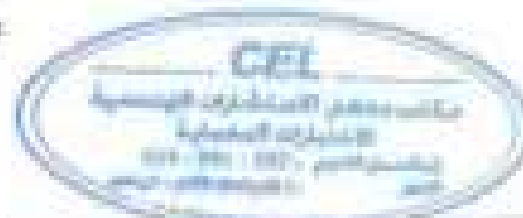
According to the above mentioned subject the test performed as follows:-

Apparatus

1. Loading plates consists of two plates with 600 mm and 300 mm diameter
2. The thickness of plates 20 mm
3. Dial gauges with accuracy 0.01 mm to measuring the settlement
4. Steel straightedge with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 750 mm (provided)
7. Reaction loading system by roller compressor with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clean the ground on test area to the required level with undisturbed soil
2. Install loading plates 600 mm and 300 mm diameters, hydraulic jack and 1 dial gauges
3. Prior to starting the test applied preloading about 30 seconds
4. The strain gauge and the dial gauge shall be set to zero
5. For a 600 mm loading plate, the first values are 2.5 kN/m²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum nominal stress is reached
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be released in 3 stages, to 60 %, 30 %, and approximately 2 % of the maximum load
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached).
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min
11. Remove the loads



Report

1. Evaluation and representation of results
 2. Load Settlement curve
 3. The test report contain the following:-
- Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of bedding material below the plate -Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading-settlement curve
 - Description of the soil condition below the plate after testing

Report

Type of soil: Sub ballast.

- Job requirement: $E_{v2} \geq 1200 \text{ Kg/cm}^2$ (120 MPa) $E_{v2}/E_{v1} \geq 2.5$..

Item	Descriptions
- Type of bedding material below the plate	Natural Soil
- Weather condition	Sunny
- Plate Diameter (mm)	600
- Date of measurement	13/06/2023
- Unusual observation made during test	NO
- Description of the soil conditions below the plate after testing	No Submergence

Evaluation and representation of results

Test No.	Station		First Cycle	Second Cycle	E_{v2}/E_{v1} Ratio
	From	To	P_{av} (kg/cm ²)	E_{v2} (kg/cm ²)	
1	443+100	443+125	1400	1505	1.1
2	443+125	443+150	1180	2003	1.7
3	443+150	443+175	1642	1385	1.0
4	443+175	443+200	1180	1885	1.6



Company Name : Sam River Construction
 Project : Elshiba Express Tolls, from M. El-Saboun to Wadi - Rabat (Priority Service) - Abou el Kheir
 Test Date : 13/06/2013
 report date : 14/06/2013
 Location : Station 446+100 to 446+120
 Test No. : 01

Noncompetitive Static Plate Load Tests of Soils QM 18134

Data sheet

Loading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.00	10.19	0.00	10.19	0.00	10.20	0.00	0.00
1	0.40	10.18	0.12	10.19	0.09	10.17	0.11	0.10
2	0.80	10.17	0.25	10.20	0.35	10.16	0.24	0.23
3	1.20	10.16	0.39	10.20	0.41	10.19	0.47	0.43
4	1.60	10.14	0.44	10.21	0.79	10.22	0.58	0.58
5	2.00	10.15	0.56	10.21	0.80	10.21	0.88	0.79
6	2.50	10.20	0.71	10.20	1.04	10.25	0.72	0.90

Unloading Stage (1)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
1	2.00	10.20	0.71	10.20	1.04	10.20	0.70	0.90
2	1.20	10.21	0.65	10.21	0.83	10.21	0.68	0.79
3	0.80	10.21	0.27	10.21	0.60	10.21	0.61	0.50
4	0.40	10.23	0.20	10.23	0.27	10.21	0.29	0.34

Loading Stage (2)

Loading	Stress	Dial 1	Settlement	Dial 2	Settlement	Dial 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.40	10.40	0.00	10.40	0.00	10.41	0.00	0.00
1	0.80	10.44	0.06	10.42	0.05	10.44	0.04	0.05
2	1.20	10.46	0.04	10.46	0.14	10.49	0.09	0.08
3	1.60	10.47	0.19	10.48	0.00	10.50	0.29	0.14
4	2.00	10.47	0.09	10.47	0.00	10.47	0.01	0.03



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Journal of Internal Medicine 258: 105–112

Company Name : San Rian Construction
Project : District Express Train from El Maadi Station to Helwan - Helwan Priority Section (2) - Aswan to Fika
Test Date : 12/06/2023
Report No. : 12/06/2023
Location : Station 443+025 to 443+100
Test No. : 02

Noncompetitive Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (1)

Loading	Stress kPa/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.40	15.75	0.25	15.84	0.18	16.72	0.26	0.23
2	0.80	16.48	0.57	16.70	0.58	16.46	0.55	0.47
3	1.20	16.17	0.73	16.91	0.44	16.23	0.70	0.68
4	1.67	16.12	0.88	16.96	0.84	16.12	0.87	0.78
5	2.08	15.94	0.96	16.28	0.79	16.00	0.88	0.85
6	2.50	16.06	1.37	16.18	0.87	16.35	1.03	0.93

Unloading Stage (1)

Loading	Stress kPa/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	2.50	16.06	1.37	16.18	0.87	16.00	1.03	0.93
2	1.25	16.46	1.02	16.26	0.79	16.04	0.88	0.81
3	0.80	16.40	0.91	16.30	0.64	16.12	0.82	0.78
4	0.01	16.47	0.57	16.01	0.30	16.41	0.59	0.50

Loading Stage (2)

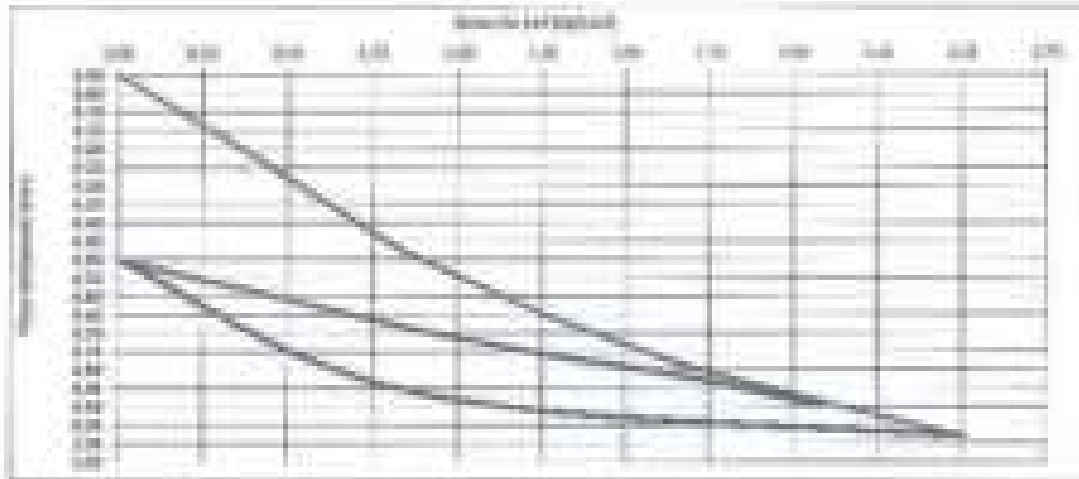
Loading	Stress kPa/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.80	15.33	0.80	15.42	0.66	16.23	0.77	0.68
2	1.25	15.25	0.75	15.34	0.66	16.14	0.66	0.75
3	1.67	15.18	0.62	15.25	0.71	15.99	0.49	0.63
4	2.08	15.32	0.58	15.11	0.79	16.00	1.08	0.68



Company Name
Project
Test Title
Report No.
Location
Test No.

Box Size Description
Capacity Capacity Tests From At Site Section to Name Material Property Section ID - Material is Plate
40000000
40000000
Section: 40000000 to 40000000
00

Compression, Static Plate Load Tests of Soils GBL 00100



Load (kN)	0	1	2	3	4	5	6
Settlement (mm)	0	1000.00	2000.00	3000.00	4000.00	5000.00	6000.00
Stress (kg/cm ²)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement ratio	0.00	0.25	0.47	0.60	0.70	0.80	0.80

Stress ratio	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement ratio	0.00	0.25	0.47	0.60	0.70	0.80	0.80

Load (kN)	0	1	2	3	4	5	6
Settlement (mm)	0	1000.00	2000.00	3000.00	4000.00	5000.00	6000.00
Stress (kg/cm ²)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement ratio	0.00	0.25	0.47	0.60	0.70	0.80	0.80

Stress ratio	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement ratio	0.00	0.25	0.47	0.60	0.70	0.80	0.80

Load (kN)	0	1	2	3	4
Settlement (mm)	0	1000.00	2000.00	3000.00	4000.00
Stress (kg/cm ²)	0.00	0.40	0.80	1.20	1.60
Settlement ratio	0.00	0.25	0.47	0.60	0.70

Factor = 1.7

Settlement = Difference of settlement during the loading stage
Settlement = Difference of settlement during the unloading stage
Stress = Plate diameter (mm)
Stress = The difference between (2 and 3) from the maximum loading stress (kg/cm²)
Settlement ratio = Difference of settlement corresponding to 2 and 3 from the maximum loading stress



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Company Name : Sam Hise Construction
Project : Electric Pipeline Train, Road Al Ma Sallama to Maadi, Helwan Province, Helwan City - Helwan to Cairo
Test Item : T-56/2023
Report Date : 14/06/2023
Location : Station 443+150 to 443+175
Test No. : 03

Surrounding Static Plate Load Tests of Soils QHS 18134

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.05	0.00	15.05	0.00	15.10	0.00	0.00
1	0.42	15.14	0.09	15.43	0.38	15.28	0.22	0.23
2	0.83	15.22	0.17	15.58	0.53	15.52	0.48	0.40
3	1.25	15.30	0.25	15.62	0.57	15.60	0.59	0.59
4	1.67	15.33	0.28	15.65	0.60	15.61	0.70	0.60
5	2.08	15.37	0.32	15.77	0.72	15.67	0.65	0.70
6	2.50	15.46	0.41	15.84	0.79	15.74	0.80	0.82

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	15.46	0.34	15.84	0.80	15.78	0.87	0.87
2	1.67	15.33	0.28	15.65	0.70	15.62	0.66	0.66
3	0.83	15.22	0.17	15.58	0.53	15.50	0.54	0.53
4	0.00	15.05	0.00	15.05	0.00	15.10	0.00	0.00

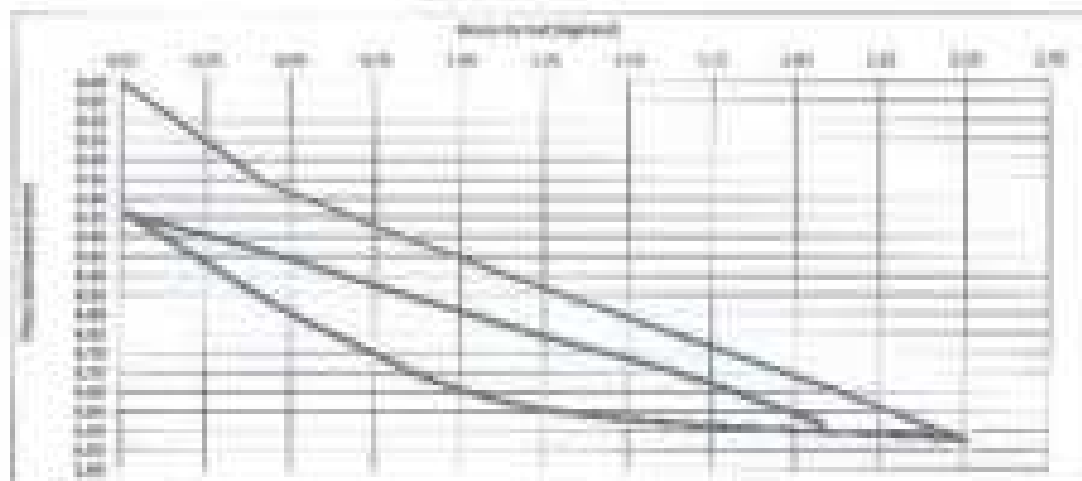
Loading Stage (2)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	15.14	0.47	15.47	0.33	15.05	0.21	0.44
1	0.83	15.42	0.88	15.74	0.44	15.38	0.62	0.88
2	1.25	15.68	1.10	15.95	0.64	15.57	0.73	0.88
3	1.67	15.95	1.31	16.21	0.85	15.77	0.83	0.79
4	2.08	16.01	1.46	16.23	0.90	15.88	0.94	0.90



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Revised: State Flag Law Text of 1994
July 1994

[illegible]

Endocasting (1)	(2)	(3)	(4)
Slag (%)	1.000	0.002	1.000
Waste (kg/m ³)	0.000	1.000	0.000
Refractory (kg)	0.000	0.000	0.000

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	3010	3011	3012	3013	3014	3015	3016	3017	3018	3019	3020	3021	3022	3023	3024	3025	3026	3027	3028	3029	3030	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040	3041	3042	3043	3044	3045	3046	3047	3048	3049	3050	3051	3052	3053	3054	3055	3056	3057	3058	3059	3060	3061	3062	3063	3064	3065	3066	3067	3068	3069	3070	3071	3072	3073	3074	3075	3076	3077	3078	3079	3080	3081	3082	3083	3084	3085	3086	3087	3088	3089	3090	3091	3092	3093	3094	3095	3096	3097	3098	3099	3100	3101	3102	3103	3104	3105	3106	3107	3108	3109	3110	3111	3112	3113	3114	3115	3116	3117	3118	3119	3120	3121	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151	3152	3153	3154	3155	3156	3157	3158	3159	3160	3161	3162	3163	3164	3165	3166	3167	3168	3169	3170	3171	3172	3173	3174	3175	3176	3177	3178	3179	3180	3181	3182	3183	3184	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194	3195	3196	3197	3198	3199	3200	3201	3202	3203	3204	3205	3206	3207	3208	3209	3210	3211	3212	3213	3214	3215	3216	3217	3218	3219	3220	3221	3222	3223	3224	3225	3226	3227	3228	3229	3230	3231	3232	3233	3234	3235	3236	3237	3238	3239	3240	3241	3242	3243	3244	3245	3246	3247	3248	3249	3250	3251	3252	3253	3254	3255	3256	3257	3258	3259	3260	3261	3262	3263	3264	3265	3266	3267	3268	3269	3270	3271	3272	3273	3274	3275	3276	3277	3278	3279	3280	3281	3282	3283	3284	3285	3286	3287	3288	3289	3290	3291	3292	3293	3294	3295	3296	3297	3298	3299	3300	3301	3302	3303	3304	3305	3306	3307	3308	3309	3310	3311	3312	3313	3314	3315	3316	3317	3318	3319	3320	3321	3322	3323	3324	3325	3326	3327	3328	3329	3330	3331	3332	3333	3334	3335	3336	3337	3338	3339	3340	3341	3342	3343	3344	3345	3346	3347	3348	3349	3350	3351	3352	3353	3354	3355	3356	3357	3358	3359	3360	3361	3362	3363	3364	336
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Estimated	9.8
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Location (°)	0	1	2	3	4	5
Wavelength	0	0.000 00	0.000 00	0.000 00	0.000 00	0.000 00
Phase (radians)	0.00	0.00	0.00	0.00	0.00	0.00
Amplitude (mm)	0.00	0.00	0.00	0.00	0.00	0.00

$\Delta \text{Energy} = -0.6$	$\Delta \text{Entropy}$	ΔG	$\Delta \text{Enthalpy} = 0.9$	$\Delta S = +0.27$
$\Delta G_{\text{spontaneous}} = -0.1877 \text{ kcal/mol}$		favorable		

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1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Fig. 4 The observed and predicted $\delta^{15}\text{N}$ of NH_4^+ and NO_3^- in the study area

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Company Name : Sun Rise Construction
 Project : Elwady Express Train, New Al-Maadi Suburban Mass Transit Priority Corridor - Access to Metro
 Test Date : 14/06/2023
 report date : 14/06/2023
 Location : Station 488+175 to 488+280
 Test No : 88

Resonant Static Plate Load Tests of Soils CH 18124

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	19.00	0.00	19.00	0.00	19.00	0.00	0.00
1	0.40	19.00	0.10	19.10	0.20	19.00	0.15	0.15
2	0.80	19.10	0.20	19.20	0.40	19.20	0.40	0.40
3	1.20	19.10	0.40	19.40	0.60	19.20	0.60	0.60
4	1.60	19.00	0.60	19.20	0.80	19.20	0.80	0.72
5	2.00	19.10	0.80	19.20	0.90	19.00	0.90	0.90
6	2.40	19.10	0.70	19.00	1.00	19.00	1.00	0.90

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.30	19.10	0.70	19.00	1.00	19.00	1.00	1.00
2	1.20	19.00	0.70	19.00	0.90	19.00	0.90	0.90
3	0.80	19.10	0.80	19.10	0.80	19.00	0.80	0.80
4	0.00	19.00	0.30	19.00	0.30	19.00	0.30	0.40

Loading Stage (2)

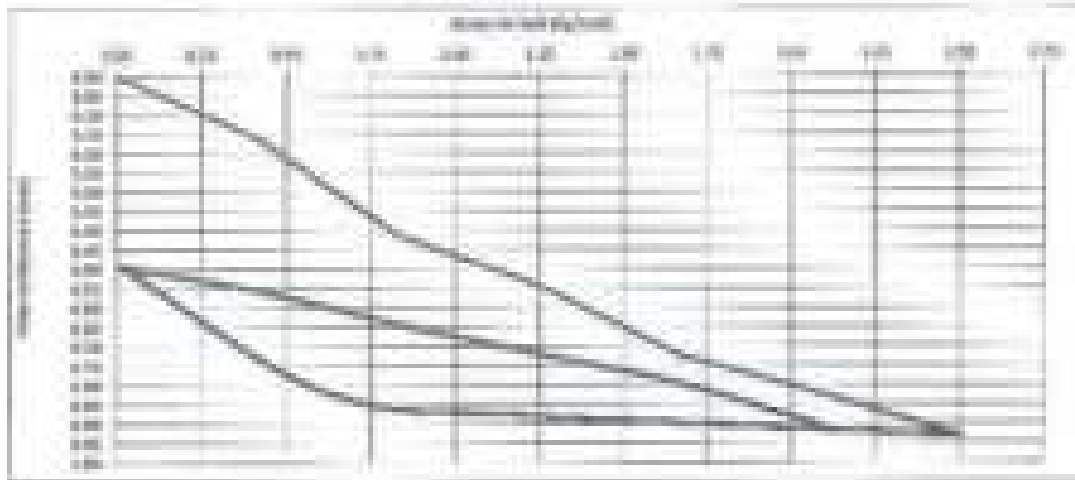
Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.40	19.10	0.10	19.10	0.10	19.00	0.10	0.10
1	0.80	19.00	0.20	19.20	0.20	19.00	0.20	0.20
2	1.20	19.00	0.40	19.20	0.20	19.00	0.20	0.20
3	1.60	19.10	0.70	19.10	0.80	19.10	0.80	0.80
4	2.00	19.10	0.80	19.00	0.90	19.00	0.90	0.90



Company Name
Project
Book No.
Sheet No.
Location
Scale: 1:1

Test Item Description
Concrete Slab Test, from 1st floor to 2nd floor, Slab No. 101 - Slab No. 102
Concrete
Slab No. 101 & 102
101

Representative Slab Load Test Results (kN/m²)



Loading (kN)	0	1	2	3	4	5	6
Slab No. 101	0	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00
Slab No. 102	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Reinforcement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Loading (kN)	1	2	3	4
Slab No. 101	1000	1200	1400	1600
Slab No. 102	0.20	0.40	0.60	0.80
Reinforcement (mm)	0.10	0.20	0.30	0.40

Slab No. 101	1000	1200	1400	1600
Slab No. 102	0.20	0.40	0.60	0.80

Loading (kN)	0	1	2	3	4	5
Slab No. 101	0	1100.00	1200.00	1300.00	1400.00	1500.00
Slab No. 102	0.00	0.40	0.80	1.20	1.60	2.00
Reinforcement (mm)	0.00	0.10	0.20	0.30	0.40	0.50

Slab No. 101 = 1.0

Slab No. 101	1000	1200	1400	1600
Slab No. 102	0.20	0.40	0.60	0.80

Slab = Slab No. 101
Slab = Slab No. 102
Slab = Slab No. 103
Slab = Slab No. 104
Slab = Slab No. 105
Slab = Slab No. 106
Slab = Slab No. 107
Slab = Slab No. 108
Slab = Slab No. 109
Slab = Slab No. 110



Concern : High Rise Construction

Project : Electric Express Train, Al Ain Station in Mansa Matruh Priority Sector (B)
- Alamin to Foka
Subject : Determined the deformation and strength characteristics of soil by the plate
loading test according specifications: CEN 10154:2011/EN and project requirements
Test Location : Station 449+250 to 449+375
Test Date : 27/03/2023
Report Date : 28/03/2023
Type of soil : —
Test level : prepared subgrade .
Report No. : 148150

Dear Gentleman,

According to the above mentioned subject the test performed as follow:-

Apparatus

1. Loading plate consists of two plates with 600 mm and 300 mm diameter
2. The thickness of plates 30 mm
3. Dial gauges with accuracy 0.01 mm to measuring the settlement
4. Dial straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 750 for (directed)
7. Reaction loading system by roller computer with weight approximately 10 ton
8. Calibration certificates are attached

Test Procedure

1. Clear the ground in test area to the required level with undisturbed soil
2. Install loading plates 600 mm and 300 mm diameter, hydraulic jack and 1 dial gauges
3. Prior to starting the test applied preloading about 30 seconds
4. The strain gauge and the dial gauge shall be set to zero
5. For a 600 mm loading plate, the test values are 0.0 kg/cm²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum nominal stress is reached.
7. Each change in load from stage to stage shall be completed within one minute
8. The load shall be released in 3 stages, to 50 %, 25 %, and approximately 0 % of the maximum load
9. Following unloading, a further (0th) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached)
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min
11. Remove the loads



Report

1. Evaluation and representation of results
2. Load Settlement curve
3. The test report contain the following:-
 - Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of bedding material below the plate - Bedding condition
 - Time and date of measurements - Gradual observation made during test
 - Dial gauge reading and corresponding vertical drops - Loading-settlement curve
 - Description of the soil condition below the plate after testing

Result

Type of soil: prepared subgrade .

- Job requirement: $E_{v2} \geq 800 \text{ Kg/cm}^2$ (80 MPa).

Item	Descriptions
- Type of bedding material below the plate	Natural Soil
- Bedding condition	Partly Saturated
- Plate Diameter (mm)	600
- date of measurement	27/03/2023
- Gradual observation made during test	NO
- Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results

Test No.	Station		First Cycle	Second Cycle	E_{v2} / E_{v1} Ratio
	From	To	$E_{v1} (\text{Kg/cm}^2)$	$E_{v2} (\text{Kg/cm}^2)$	
1	449+350	449+375	1000	2254	2.3
2	449+375	449+300	1023	1887	1.8
3	449+300	449+325	1216	1552	1.3
4	449+325	449+350	1125	2047	2.4
5	449+350	449+375	1452	2358	1.6



Company Name : San Risa Construction
Project : Monthly Expense Table, from All the Sections to House (without Priority Section 02) - Monthly to Date
Test Date : 27/03/2023
report date : 28/03/2023
Location : Station 400+000 to 400+275
Test No. : 01

Compressive Static Plate Load Tests of Soils DIN 18134

Date sheet

Loading Stage (I)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.42	10.75	0.75	10.75	0.75	10.75	0.75	0.75
2	0.83	10.27	0.27	10.27	0.27	10.27	0.27	0.27
3	1.25	10.34	0.34	10.34	0.34	10.34	0.34	0.34
4	1.67	10.26	0.26	10.26	0.26	10.26	0.26	0.26
5	2.08	10.08	0.08	10.07	0.05	10.06	0.12	0.07
6	2.50	10.04	0.02	10.07	0.05	10.04	0.06	0.07

Unloading Stage (I)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	10.04	0.02	10.07	0.05	10.04	0.06	0.07
2	2.08	10.00	0.00	10.00	0.00	10.00	0.00	0.00
3	1.67	10.00	0.00	10.00	0.00	10.00	0.00	0.00
4	1.25	10.00	0.00	10.00	0.00	10.00	0.00	0.00

Loading Stage (II)

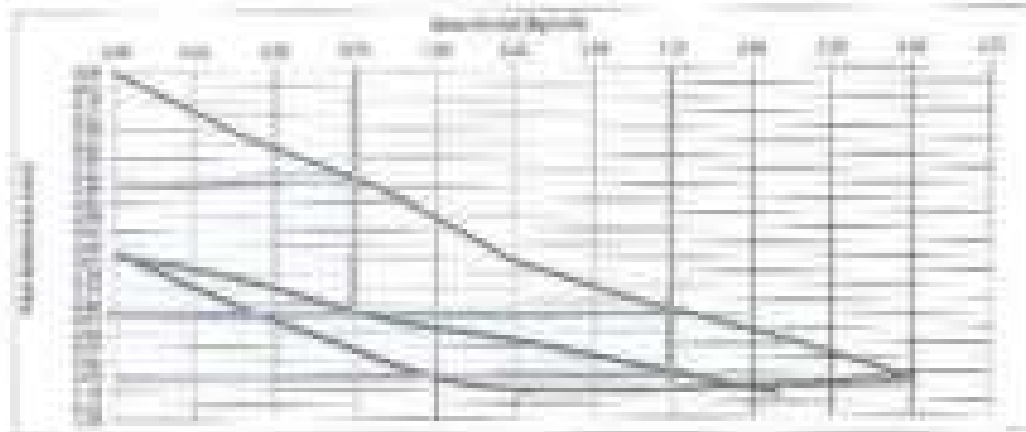
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.83	10.00	0.00	10.00	0.00	10.00	0.00	0.00
2	1.25	10.00	0.00	10.00	0.00	10.00	0.00	0.00
3	1.67	10.00	0.00	10.00	0.00	10.00	0.00	0.00
4	2.08	10.00	0.00	10.00	0.00	10.00	0.00	0.00



Designing Room
Project
Test Room
Report Code
Location
Test No.

Test Plan Description
Stress Relaxation Tests from 100% to 50% of Yield Stress (2) - Duration 1000
17040002
1000000
System identification code 100
101

Stress Relaxation Tests from 100% to 50% of Yield Stress (2)
100.10101



Loading (%)	1	2	3	4	5	6	7
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100

Loading (%)	1	2	3	4
Stress (MPa)	100	100	100	100
Stress (MPa)	100	100	100	100
Stress (MPa)	100	100	100	100

Loading (%)	1	2	3	4	5	6	7
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100
Stress (MPa)	100	100	100	100	100	100	100

100.10101

- 101 - Measure of deformation during the loading stage
102 - Measure of deformation during the unloading stage
103 - Stress relaxation tests
104 - The difference between 101 and 102 from the maximum loading capacity (100%)
105 - Difference 101 difference corresponding to 101 and 102 from the maximum loading capacity



Company Name : Suez Canal Construction
Project : Suez Canal Expansion Phase 2, West of the Suez Canal (Suez Canal Phase 2) - Suez Canal
Test Date : 27/04/2023
Report Date : 28/04/2023
Location : Station: 455+075 to 455+085
Test No. : 02

Normalised Static Plate Load Tests of Soils DN 13134

Details

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	20.00	0.00	19.95	0.00	20.00	0.00	0.00
1	0.40	19.95	0.14	19.95	0.21	19.95	0.20	0.15
2	0.80	19.75	0.25	19.87	0.33	19.80	0.40	0.28
3	1.20	19.55	0.33	19.70	0.30	19.57	0.35	0.33
4	1.60	19.44	0.30	19.57	0.25	19.70	0.27	0.24
5	2.00	19.33	0.37	19.75	0.25	19.50	0.35	0.34
6	2.40	19.22	0.70	19.40	1.40	19.35	1.00	1.07

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.00	19.33	0.70	19.40	1.40	19.35	1.20	1.07
2	1.60	19.30	0.71	19.75	1.20	19.54	0.90	0.91
3	0.800	19.70	0.71	19.80	1.00	19.50	0.81	0.80
4	0.01	19.45	0.50	19.30	0.87	19.40	0.55	0.50

Loading Stage (2)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	19.30	0.00	19.20	0.00	19.41	0.00	0.00
1	0.80	19.37	0.00	19.05	0.00	19.30	0.01	0.10
2	1.20	19.27	0.20	18.80	0.10	19.10	0.00	0.10
3	1.60	19.13	0.27	18.75	0.27	19.00	0.00	0.10
4	2.00	19.00	0.00	18.60	0.00	18.90	0.00	0.07



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100

11

100

1

100

Non-Linear Connections

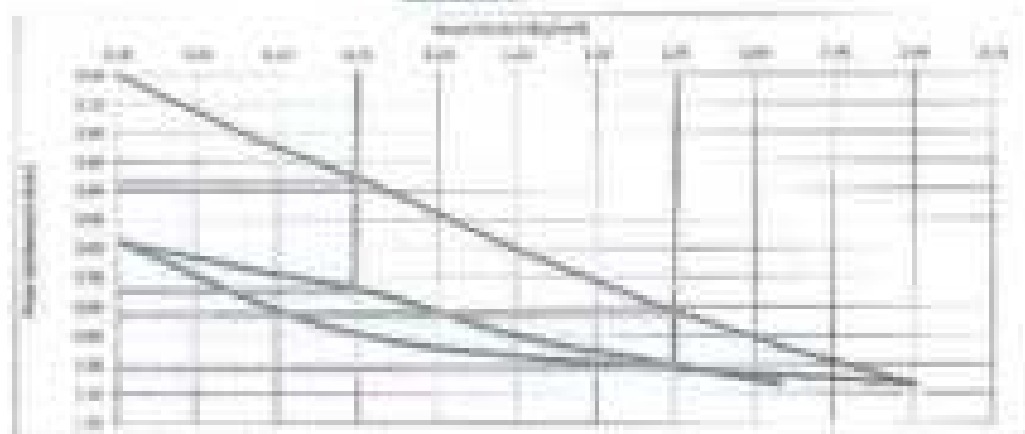
[illegible]

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[illegible]

Keywords: *depression, mood, stress, coping, self-esteem, self-efficacy*

1000

[illegible][illegible]

Loadings (%)	1	2	3	4	5	6
Group 1(a)	0.78	0.68000	0.64444	0.63333	0.55555	0.66667
Group 2(b)(c)	0.67	0.69	0.68	0.70	0.67	0.68
Scatterplot (a)	0.700	0.690	0.700	0.680	0.690	0.700

12 months	0.00	12 months	1.75	12 months	1.00	12 months	1.00
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100 loading (1)	1	2	3	4
Temperature	1000	1000	1150	0
Displacement	0.75	1.25	0.500	0.50
Reference (mm)	0.07	0.07	0.00	0.00

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Company Name : Best Rise Construction.
Project : Sports Stadium, Track, from Al Ain Stadium to Shams, Sharjah Freeway Sector (B) - Sharjah to Dubai
Test Date : 27/03/2022
Report Date : 28/03/2022
Location : Station 440+300 to 440+325
Test No. : 43

Compressive Static Plate Load Test of Soils DIN 18134

Data sheet

Loading Stage (1)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.42	15.00	0.00	15.00	0.23	15.00	0.19	0.14
2	0.83	15.00	0.16	15.00	0.27	15.00	0.27	0.20
3	1.25	15.00	0.04	15.00	0.36	15.00	0.40	0.30
4	1.67	15.00	0.18	15.00	0.88	15.00	0.90	0.55
5	2.08	15.00	0.27	15.00	0.73	15.00	0.83	0.71
6	2.50	15.00	0.78	15.00	0.84	15.00	0.81	0.84

Unloading Stage (1)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	2.50	15.00	0.78	15.00	0.84	15.00	0.81	0.84
2	1.25	15.00	0.71	15.00	0.78	15.00	0.82	0.75
3	0.83	15.00	0.23	15.00	0.74	15.00	0.88	0.75
4	0.42	15.00	0.28	15.00	0.80	15.00	0.87	0.71

Loading Stage (2)

Loading	Stress kN/m ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.42	15.00	0.21	15.00	0.27	15.00	0.71	0.53
1	0.83	15.00	0.00	15.00	0.80	15.00	0.83	0.87
2	1.25	15.00	0.75	15.00	0.87	15.00	0.87	0.77
3	1.67	15.00	0.00	15.00	0.92	15.00	0.80	0.90
4	2.08	15.00	0.87	15.00	0.95	15.00	0.87	1.00



Company Name
Project
Test Code
Report No.
Location
Date

Base Slab Construction

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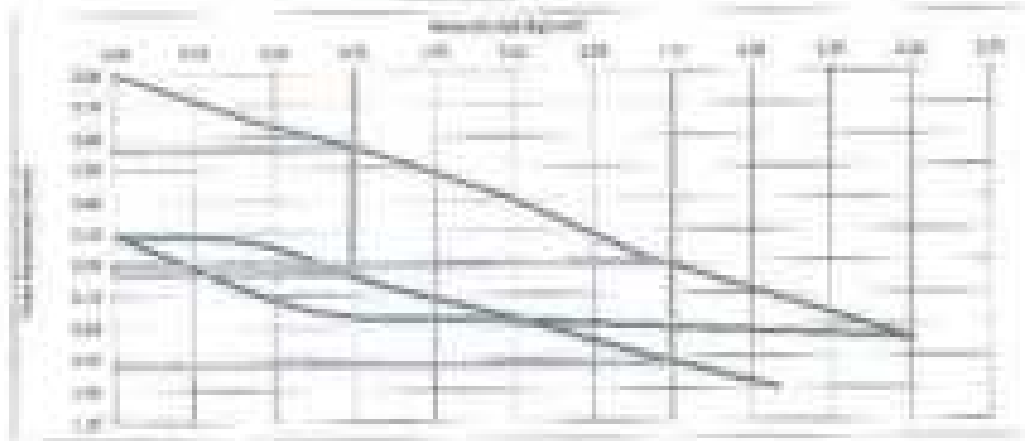
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Compressive Static Load Test Results of Slab 001.00100



Load (kN)	1	2	3	4	5	6	7
Deflection (mm)	0	100.00	200.00	300.00	400.00	500.00	600.00
Stress (MPa)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Strain (mm/mm)	0.00	0.001	0.002	0.003	0.004	0.005	0.006
Stress (ksi)	0.00	0.003	0.006	0.009	0.012	0.015	0.018
Strain (in/in)	0.00	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006
Stress (MPa)	0.00	0.02	0.04	0.06	0.08	0.10	0.12
Strain (mm/mm)	0.00	0.001	0.002	0.003	0.004	0.005	0.006

Load (kN)	1	2	3	4
Deflection (mm)	0	100.00	200.00	300.00
Stress (MPa)	0.00	0.02	0.04	0.06
Strain (mm/mm)	0.00	0.001	0.002	0.003

Load (kN)	1	2	3	4	5	6
Deflection (mm)	0	100.00	200.00	300.00	400.00	500.00
Stress (MPa)	0.00	0.02	0.04	0.06	0.08	0.10
Strain (mm/mm)	0.00	0.001	0.002	0.003	0.004	0.005
Stress (ksi)	0.00	0.003	0.006	0.009	0.012	0.015
Strain (in/in)	0.00	0.0001	0.0002	0.0003	0.0004	0.0005
Stress (MPa)	0.00	0.02	0.04	0.06	0.08	0.10
Strain (mm/mm)	0.00	0.001	0.002	0.003	0.004	0.005

Stress (ksi) = 0.01

001 = Number of information during the testing phase

002 = Number of information during the testing phase

003 = Test duration (min)

004 = The difference between 0.001 and 0.002 from the maximum loading value (mm/mm)

005 = Difference in test results, corresponding to 0.001 and 0.002 from the maximum loading value



Company Name : San Nile Construction
Project : Design & execute works from all the facilities at New El Masara Primary School (B) - Governorate of Delta
Test Date : 27/03/2023
Report Date : 28/03/2023
Location : Station 448+425 to 448+350
Test No. : 88

Nonresilient Static Plate Load Tests of Soils GIN 10134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.00	0.00	15.00	0.00	15.00	0.00	0.00
1	0.42	15.00	0.76	15.75	0.75	15.00	0.75	0.75
2	0.82	15.00	0.23	15.53	0.47	15.54	0.28	0.30
3	1.25	15.00	0.35	15.38	0.73	15.44	0.38	0.54
4	1.67	15.00	0.47	15.57	0.83	15.35	0.71	0.75
5	2.08	15.00	0.54	15.51	1.09	15.79	0.84	0.84
6	2.50	15.00	0.79	15.77	1.25	15.65	0.88	0.88

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	15.00	0.76	15.77	1.25	15.26	0.88	0.88
2	1.25	15.00	0.58	15.81	1.17	15.00	0.81	0.81
3	0.82	15.00	0.31	15.85	1.05	15.10	0.81	0.82
4	0.42	15.00	0.48	15.81	0.88	15.07	0.83	0.83

Loading Stage (2)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	15.00	0.47	15.17	0.83	15.38	0.81	0.84
1	0.82	15.00	0.58	15.52	0.98	15.50	0.78	0.74
2	1.25	15.00	0.88	15.55	1.08	15.39	0.81	0.83
3	1.67	15.00	0.84	15.85	1.18	15.12	0.88	0.88
4	2.08	15.00	0.79	15.79	1.27	15.05	0.88	0.88



1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

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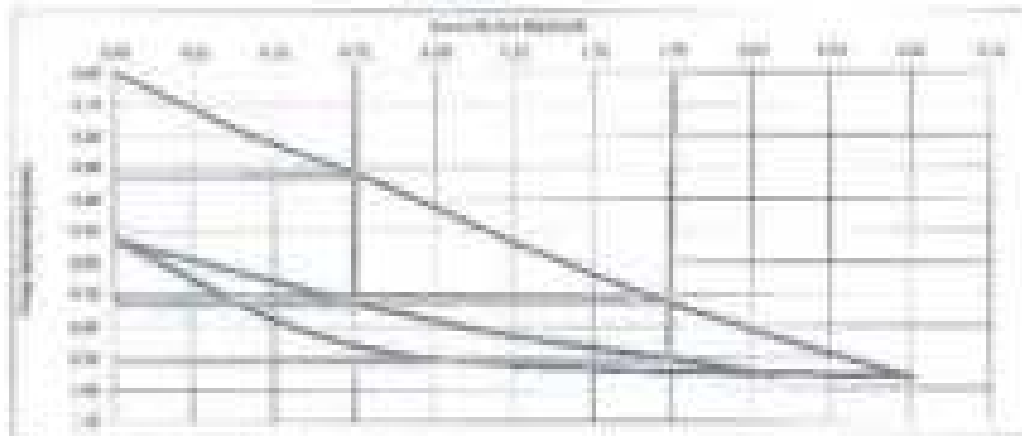
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Age Group	Percentage
18-24	10%
25-34	35%
35-44	25%
45-54	15%
55-64	10%
65-74	5%
75-84	2%
85+	1%

Abstract

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Variable (Y)	0	1	2	3	4	5	6
Frequency	0	1,100,000	2,000,000	3,000,000	4,000,000	5,000,000	6,000,000
Mean (μ)	0.00	0.01	0.02	0.03	0.04	0.05	0.06
Standard Deviation (σ)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

Site (miles) (°)	1	2	3	4
Distance (miles)	1000	1200	1400	1600
Time (hours)	1.00	1.20	1.40	1.60
Speed (miles/hour)	1000	1000	1000	1000

Location (°)	0	1	2	3	4	5
Shanghai	0.00	0.00	0.00	0.00	0.00	0.00
Beijing (116°E)	0.00	0.00	0.00	0.00	0.00	0.00
Guangzhou (113°E)	0.00	0.00	0.00	0.00	0.00	0.00

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Source: U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2

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Company Name : Sun River Construction,
Project : Shamsi Express Hotel, East At Assiut Station at Shamsi (Assiut Property Sector 02) - Assiut city Egypt
Test Date : 27/05/2023
report date : 28/05/2023
Location : Station 449+100 to 449+375
Test No. : 96

Noncompetitive Static Plate Load Tests of Soils CIN 19134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.42	10.00	0.10	10.00	0.10	10.00	0.10	0.10
2	0.83	10.00	0.27	10.00	0.27	10.00	0.27	0.28
3	1.25	10.00	0.35	10.00	0.42	10.00	0.52	0.53
4	1.67	10.00	0.47	10.00	0.60	10.00	0.80	0.60
5	2.08	10.00	0.53	10.00	0.87	10.00	0.72	0.69
6	2.50	10.00	0.80	10.00	0.70	10.00	0.82	0.79

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
1	0.00	10.00	0.00	10.00	0.70	10.00	0.82	0.70
2	1.25	10.00	0.20	10.00	0.70	10.00	0.70	0.71
3	0.83	10.00	0.01	10.00	0.62	10.00	0.70	0.60
4	0.01	10.00	0.10	10.00	0.20	10.00	0.20	0.41

Loading Stage (2)

Loading	Stress kg/cm ²	Dist. 1	Settlement mm	Dist. 2	Settlement mm	Dist. 3	Settlement mm	Average
0	0.42	10.00	0.04	10.00	0.44	10.00	0.40	0.43
1	0.83	10.00	0.06	10.00	0.33	10.00	0.50	0.30
2	1.25	10.00	0.00	10.00	0.07	10.00	0.07	0.00
3	1.67	10.00	0.70	10.00	0.00	10.00	0.70	0.70
4	2.08	10.00	0.70	10.00	0.70	10.00	0.80	0.80

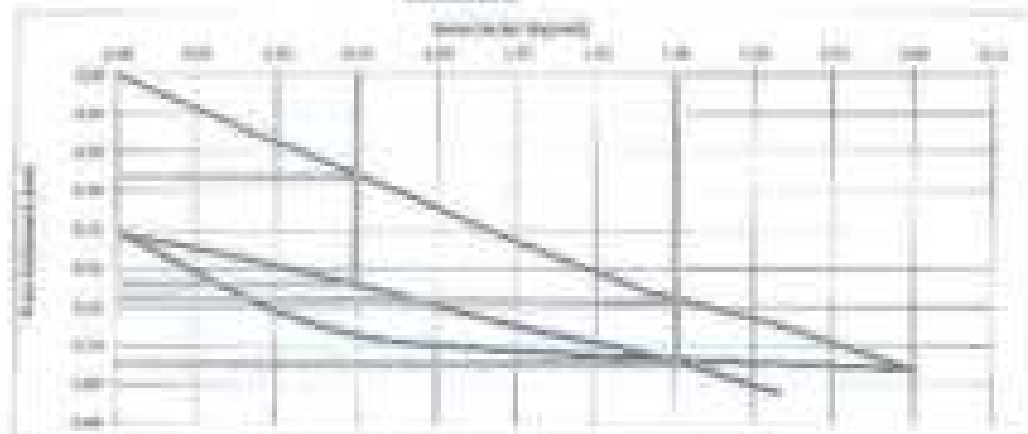


مكتب استشارات الهندسة

Computer Based
 Program
 Read Error
 Report Error
 1 month
 1 year

San Jose Construction:
 General Services, Inc. 1000 N. 1st Avenue, Suite 100, San Jose, CA 95128
 (408) 281-1111
 Fax: (408) 281-1112
 Website: www.sanjoseconstruction.com

Revised: 11/11/2014, Page 1 of 1

[illegible]

Anticorpi (1)	0	1	2	3
Donor (2)	1000	1000	1000	0
Donor (3)	1000	1000	1000	1000
Donor (4)	1000	1000	1000	1000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Location (°)	0	1	2	3	4	5
Frequency	0	1200.00	2100.00	3000.00	4000.00	5000.00
Stress (Pa)	0.01	0.02	0.03	0.04	0.05	0.06
Temperature (°C)	0.01	0.02	0.03	0.04	0.05	0.06
Stress = 100		Stress = 200	Stress = 300	Stress = 400	Stress = 500	
Stress = 100	Stress = 200		Stress = 300			

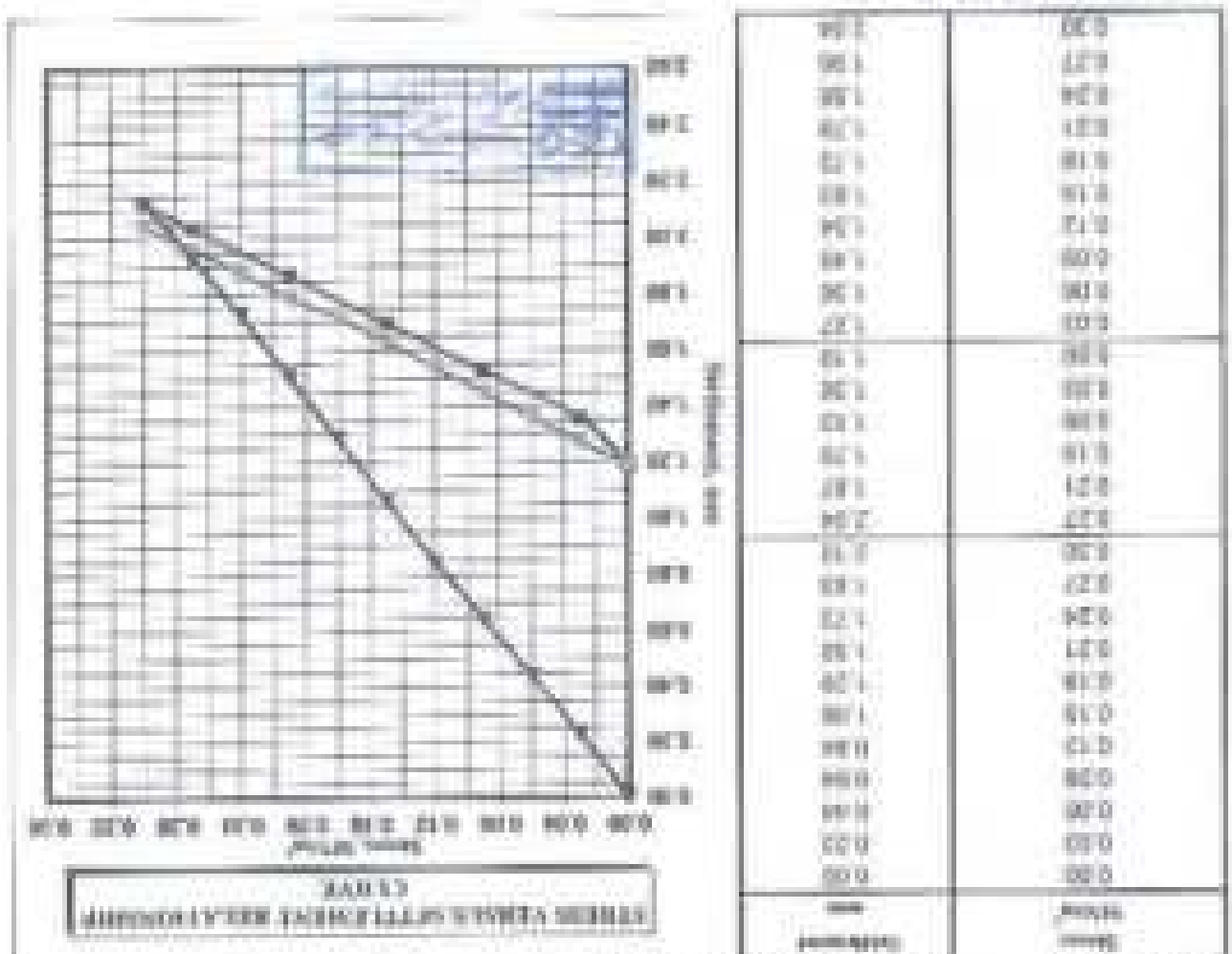
```
def isBetween(a,b,c,d):
    """Returns whether the number b lies between the numbers a and c"""
    return (a <= b <= c) or (c <= b <= a)

# Example usage
print(isBetween(0, 1, 0, 1)) # True
print(isBetween(0, 1, 1, 0)) # False
```



[illegible]

100



CLINICAL	See this category	1700-1799
PHYSICAL	General Physical Exam	700-799
LABORATORY	As Above (See 700-799)	800-899
PHYSICIAN	1700-1799	900-999
STATE MEDICAL	1700-1799	1000-1099

ЖОТЕНА



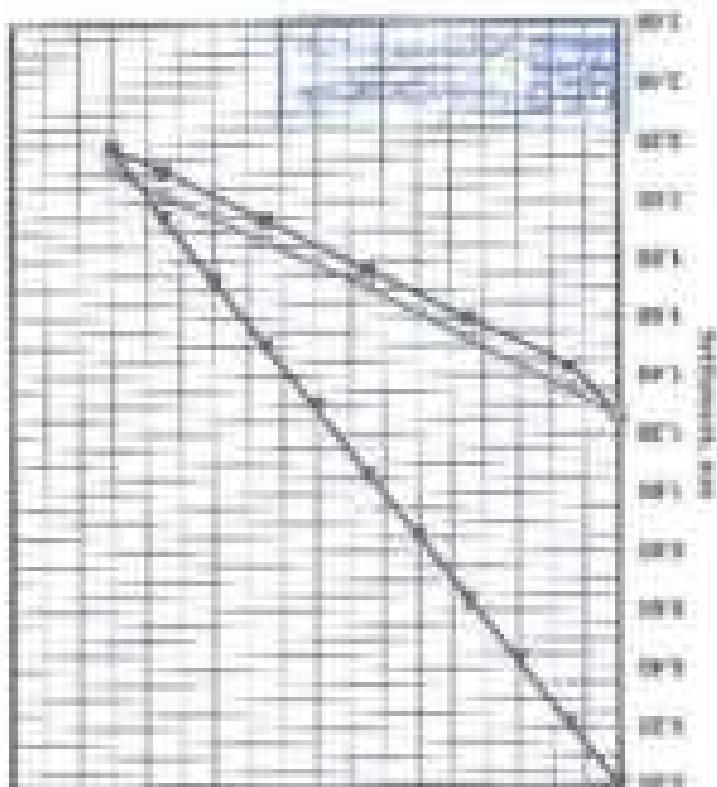


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DEN 180.34

CLIENT: JSC "Kazakhstan Energy"
PROJECT: Kazakh Energy Trade
TASK: ACTION
MULTI-TOOL NO.: 11.1.10
PLATE DIAMETER (mm): 75.00
TYPE OF SOIL: CLAYED AND SILTY SAND

TIME START: 09.00
TIME FINISH: 10.00
LAB. NO.: 180.34
NAME: 180.34

Depth, m	Soil
0.00	CLAY
0.02	CLAY
0.04	CLAY
0.06	CLAY
0.08	CLAY
0.10	CLAY
0.12	CLAY
0.14	CLAY
0.16	CLAY
0.18	CLAY
0.20	CLAY
0.22	CLAY
0.24	CLAY
0.26	CLAY
0.28	CLAY
0.30	CLAY
0.32	CLAY
0.34	CLAY
0.36	CLAY
0.38	CLAY
0.40	CLAY
0.42	CLAY
0.44	CLAY
0.46	CLAY
0.48	CLAY
0.50	CLAY
0.52	CLAY
0.54	CLAY
0.56	CLAY
0.58	CLAY
0.60	CLAY
0.62	CLAY
0.64	CLAY
0.66	CLAY
0.68	CLAY
0.70	CLAY
0.72	CLAY
0.74	CLAY
0.76	CLAY
0.78	CLAY
0.80	CLAY
0.82	CLAY
0.84	CLAY
0.86	CLAY
0.88	CLAY
0.90	CLAY
0.92	CLAY
0.94	CLAY
0.96	CLAY
0.98	CLAY
1.00	CLAY
1.02	CLAY
1.04	CLAY
1.06	CLAY
1.08	CLAY
1.10	CLAY
1.12	CLAY
1.14	CLAY
1.16	CLAY
1.18	CLAY
1.20	CLAY
1.22	CLAY
1.24	CLAY
1.26	CLAY
1.28	CLAY
1.30	CLAY
1.32	CLAY
1.34	CLAY
1.36	CLAY
1.38	CLAY
1.40	CLAY
1.42	CLAY
1.44	CLAY
1.46	CLAY
1.48	CLAY
1.50	CLAY
1.52	CLAY
1.54	CLAY
1.56	CLAY
1.58	CLAY
1.60	CLAY
1.62	CLAY
1.64	CLAY
1.66	CLAY
1.68	CLAY
1.70	CLAY
1.72	CLAY
1.74	CLAY
1.76	CLAY
1.78	CLAY
1.80	CLAY
1.82	CLAY
1.84	CLAY
1.86	CLAY
1.88	CLAY
1.90	CLAY
1.92	CLAY
1.94	CLAY
1.96	CLAY
1.98	CLAY
2.00	CLAY



STANDARD PENETRATION TEST CURVE

RESULTS OF SUB-GRADE REACTION, R_S

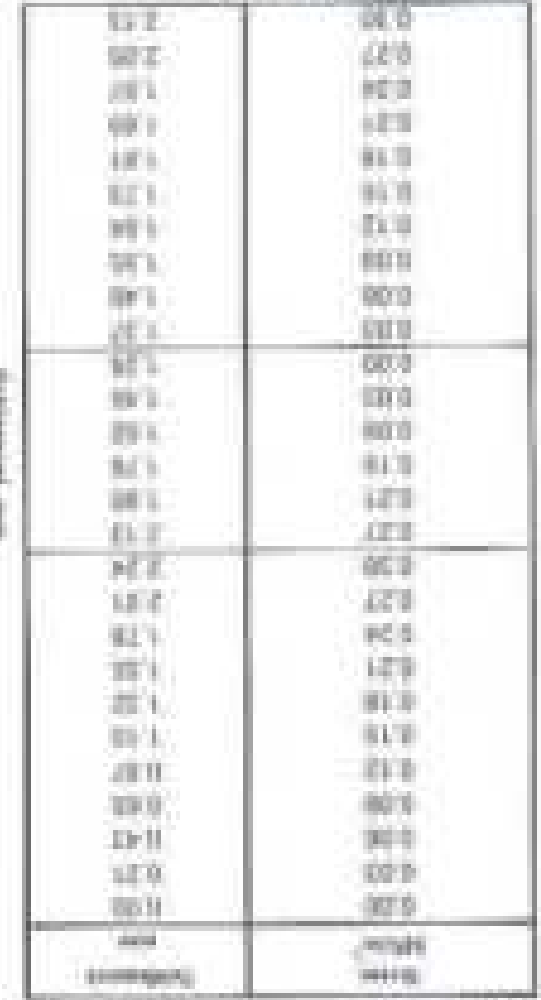
Depth, m	Reaction, R _S
0.00	0.00
0.02	0.00
0.04	0.00
0.06	0.00
0.08	0.00
0.10	0.00
0.12	0.00
0.14	0.00
0.16	0.00
0.18	0.00
0.20	0.00
0.22	0.00
0.24	0.00
0.26	0.00
0.28	0.00
0.30	0.00
0.32	0.00
0.34	0.00
0.36	0.00
0.38	0.00
0.40	0.00
0.42	0.00
0.44	0.00
0.46	0.00
0.48	0.00
0.50	0.00
0.52	0.00
0.54	0.00
0.56	0.00
0.58	0.00
0.60	0.00
0.62	0.00
0.64	0.00
0.66	0.00
0.68	0.00
0.70	0.00
0.72	0.00
0.74	0.00
0.76	0.00
0.78	0.00
0.80	0.00
0.82	0.00
0.84	0.00
0.86	0.00
0.88	0.00
0.90	0.00
0.92	0.00
0.94	0.00
0.96	0.00
0.98	0.00
1.00	0.00
1.02	0.00
1.04	0.00
1.06	0.00
1.08	0.00
1.10	0.00
1.12	0.00
1.14	0.00
1.16	0.00
1.18	0.00
1.20	0.00
1.22	0.00
1.24	0.00
1.26	0.00
1.28	0.00
1.30	0.00
1.32	0.00
1.34	0.00
1.36	0.00
1.38	0.00
1.40	0.00
1.42	0.00
1.44	0.00
1.46	0.00
1.48	0.00
1.50	0.00
1.52	0.00
1.54	0.00
1.56	0.00
1.58	0.00
1.60	0.00
1.62	0.00
1.64	0.00
1.66	0.00
1.68	0.00
1.70	0.00
1.72	0.00
1.74	0.00
1.76	0.00
1.78	0.00
1.80	0.00
1.82	0.00
1.84	0.00
1.86	0.00
1.88	0.00
1.90	0.00
1.92	0.00
1.94	0.00
1.96	0.00
1.98	0.00
2.00	0.00

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Жотана Жотана (Жотана) 800

2/3/20

From East to West
100 Miles



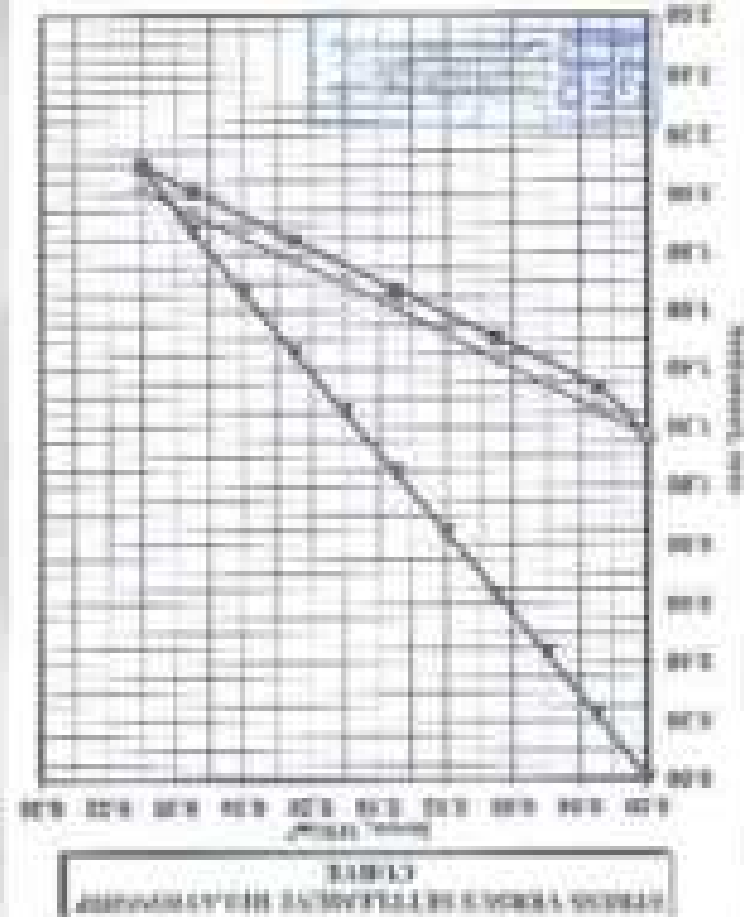
Signature of the person who has been interviewed

CLINICAL	From your viewpoint
PROBABLE	Research follows data
FOOTNOTES	10. Brown (1986) and 11. Brown (1987)
REFERENCES	12. Brown (1986) and 13. Brown (1987)
ACKNOWLEDGEMENTS	14. Brown (1986) and 15. Brown (1987)
ABOUT THE AUTHOR	16. Brown (1986) and 17. Brown (1987)

14.06.2023	
종목명	종가
삼성전자	140,000
SK하이닉스	140,000
LG화학	140,000
현대차	140,000

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A-3. CRITICAL PATHS

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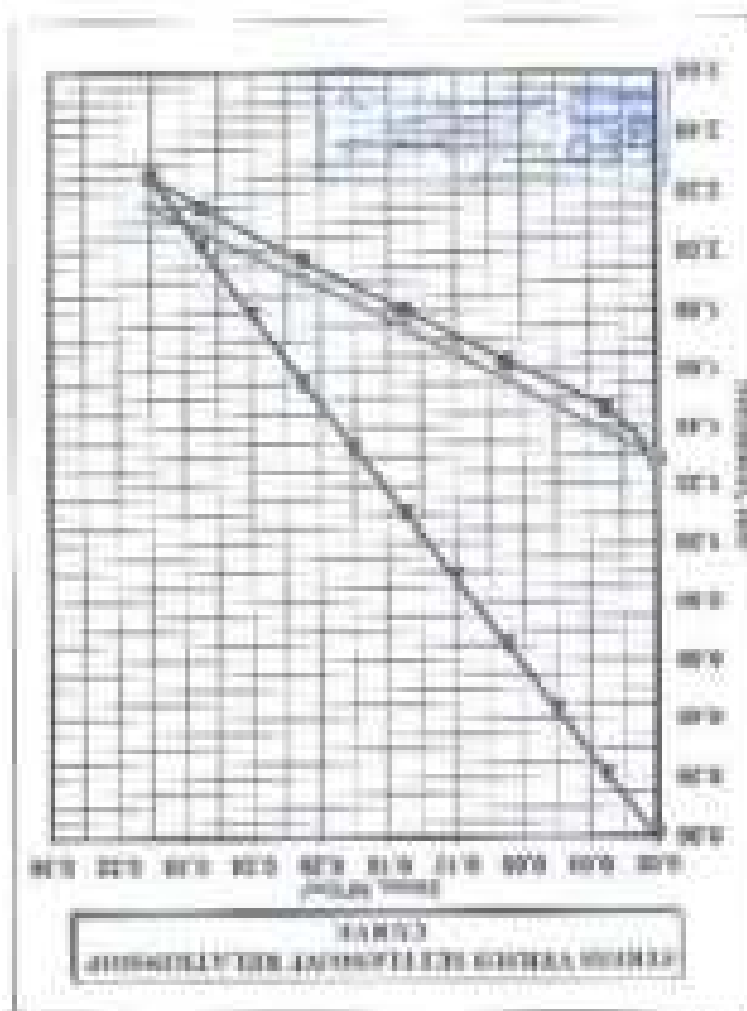
THE FOLLOWING INFORMATION IS NOTED:

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DATE	DESCRIPTION	AMOUNT	BALANCE
1/1/12	OPENING BALANCE		100.00
1/15/12	PAYROLL	50.00	150.00
2/1/12	RENT	20.00	130.00
2/15/12	UTILITIES	10.00	120.00
3/1/12	SALES	70.00	190.00
3/15/12	PAYROLL	50.00	140.00
4/1/12	RENT	20.00	120.00
4/15/12	UTILITIES	10.00	110.00
5/1/12	SALES	80.00	190.00
5/15/12	PAYROLL	50.00	140.00
6/1/12	RENT	20.00	120.00
6/15/12	UTILITIES	10.00	110.00
7/1/12	SALES	90.00	200.00
7/15/12	PAYROLL	50.00	150.00
8/1/12	RENT	20.00	130.00
8/15/12	UTILITIES	10.00	120.00
9/1/12	SALES	100.00	220.00
9/15/12	PAYROLL	50.00	170.00
10/1/12	RENT	20.00	150.00
10/15/12	UTILITIES	10.00	140.00
11/1/12	SALES	110.00	250.00
11/15/12	PAYROLL	50.00	200.00
12/1/12	RENT	20.00	180.00
12/15/12	UTILITIES	10.00	170.00
12/31/12	CLOSING BALANCE		170.00

1991



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TEST DATA
 Plate Load Test of Soils



CLIENT: Fort Collins Community Center
 PROJECT: Community Center
 LOCATION: 1000 West 10th Avenue, Suite 100
 PLATE DIMENSIONS: 12" x 12" x 1/2"
 TEST DEPTH: 12" to 18" below ground
 TEST DATE: 10/11/11
 TEST TIME: 10:00 AM
 TEST START: 10:00 AM
 TEST END: 10:30 AM
 TEST DURATION: 30 min
 TEST RESULTS: 1000 lb/sq ft



STRESS VERSUS SETTLEMENT RELATIONSHIP

Settlement, mm	Stress, kPa
0.00	0.00
0.05	0.05
0.10	0.10
0.15	0.15
0.20	0.20
0.25	0.25
0.30	0.30
0.35	0.35
0.40	0.40
0.45	0.45
0.50	0.50
0.55	0.55
0.60	0.60
0.65	0.65
0.70	0.70
0.75	0.75
0.80	0.80
0.85	0.85
0.90	0.90
0.95	0.95
1.00	1.00
1.05	1.05
1.10	1.10
1.15	1.15
1.20	1.20
1.25	1.25
1.30	1.30
1.35	1.35
1.40	1.40
1.45	1.45
1.50	1.50
1.55	1.55
1.60	1.60
1.65	1.65
1.70	1.70
1.75	1.75
1.80	1.80
1.85	1.85
1.90	1.90
1.95	1.95
2.00	2.00

MODULUS OF SUB-GRADE REACTION, k_v

11/10/99 12:40 PM 10/10/99 12:40 PM

MODELS OF SUB-ORBITAL MOTION

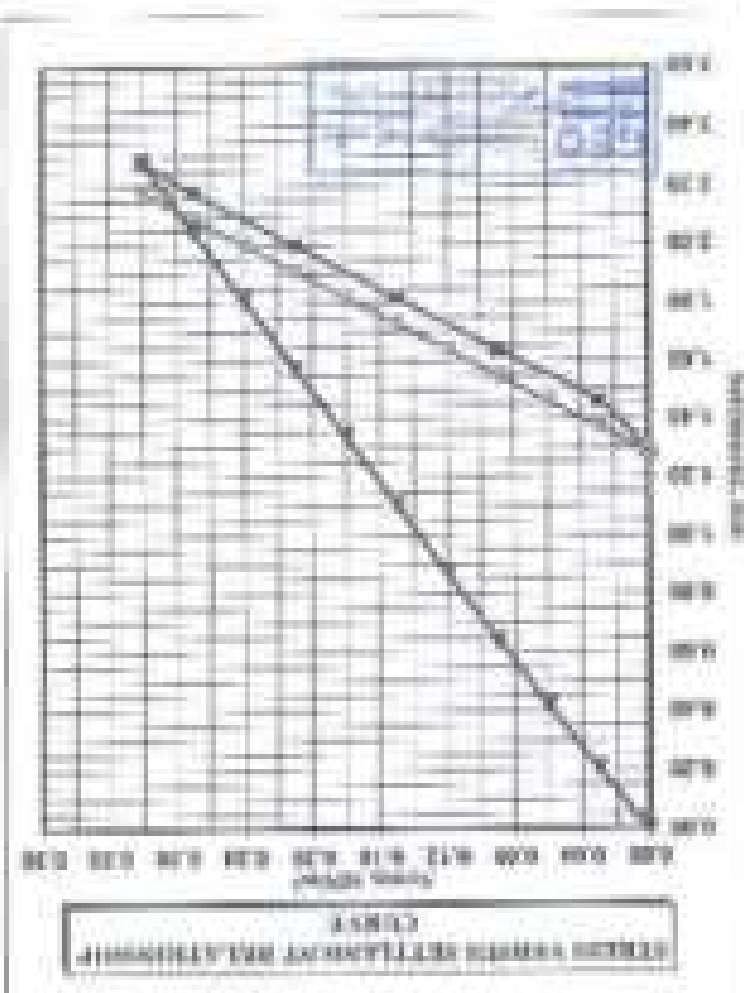
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2 m Reading	0.50	0.50	0.50
3 m Reading	0.50	0.50	0.50
4 m Reading	0.50	0.50	0.50
5 m Reading	0.50	0.50	0.50
6 m Reading	0.50	0.50	0.50
7 m Reading	0.50	0.50	0.50
8 m Reading	0.50	0.50	0.50
9 m Reading	0.50	0.50	0.50
10 m Reading	0.50	0.50	0.50

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20.0	48.0
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24.0	56.0
25.0	58.0
26.0	60.0
27.0	62.0
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30.0	68.0
31.0	70.0
32.0	72.0
33.0	74.0
34.0	76.0
35.0	78.0
36.0	80.0
37.0	82.0
38.0	84.0
39.0	86.0
40.0	88.0
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DOI: 10.1002/pola.20055

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1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

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REMARK



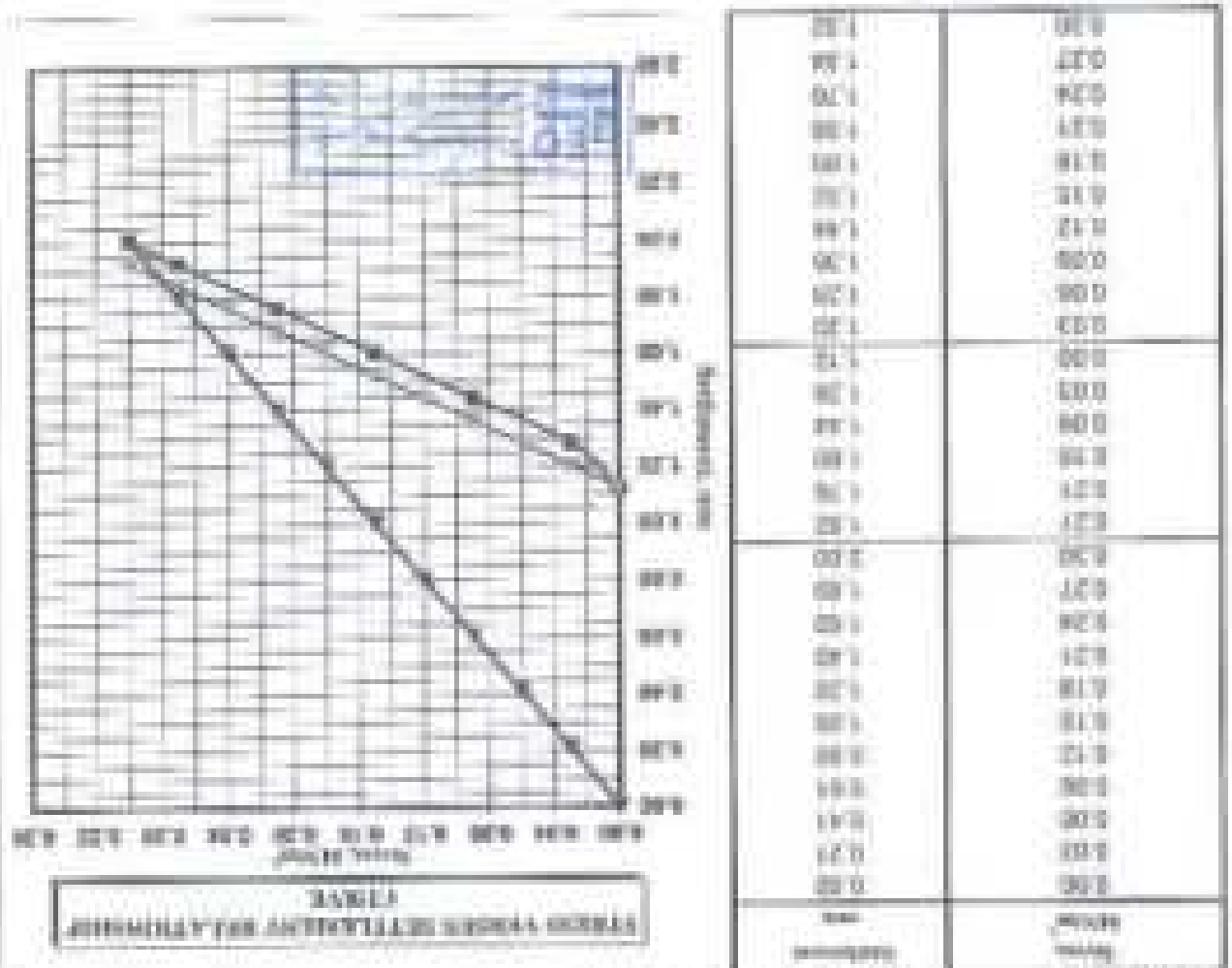
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Price List of Soil Test Kit

CLIENT _____ **For the Company** _____
PROJECT _____ **Earth's Future Trust** _____
LOCATION _____ **At (Address) (City) - (State)** _____
DATE (MM/DD/YY) _____ **BY (Name)** _____
DATE SUBMITTED (MM/DD/YY) _____
TYPE OF SOIL _____ **GRAVEL AND SAND, with Clay** _____



STRAIN MODULUS, E_s

Strain, mm	Modulus, E_s
0.00	1.00
0.25	0.25
0.50	0.50
0.75	0.75
1.00	1.00
1.25	1.25
1.50	1.50
1.75	1.75
2.00	2.00
2.25	2.25
2.50	2.50
2.75	2.75
3.00	3.00

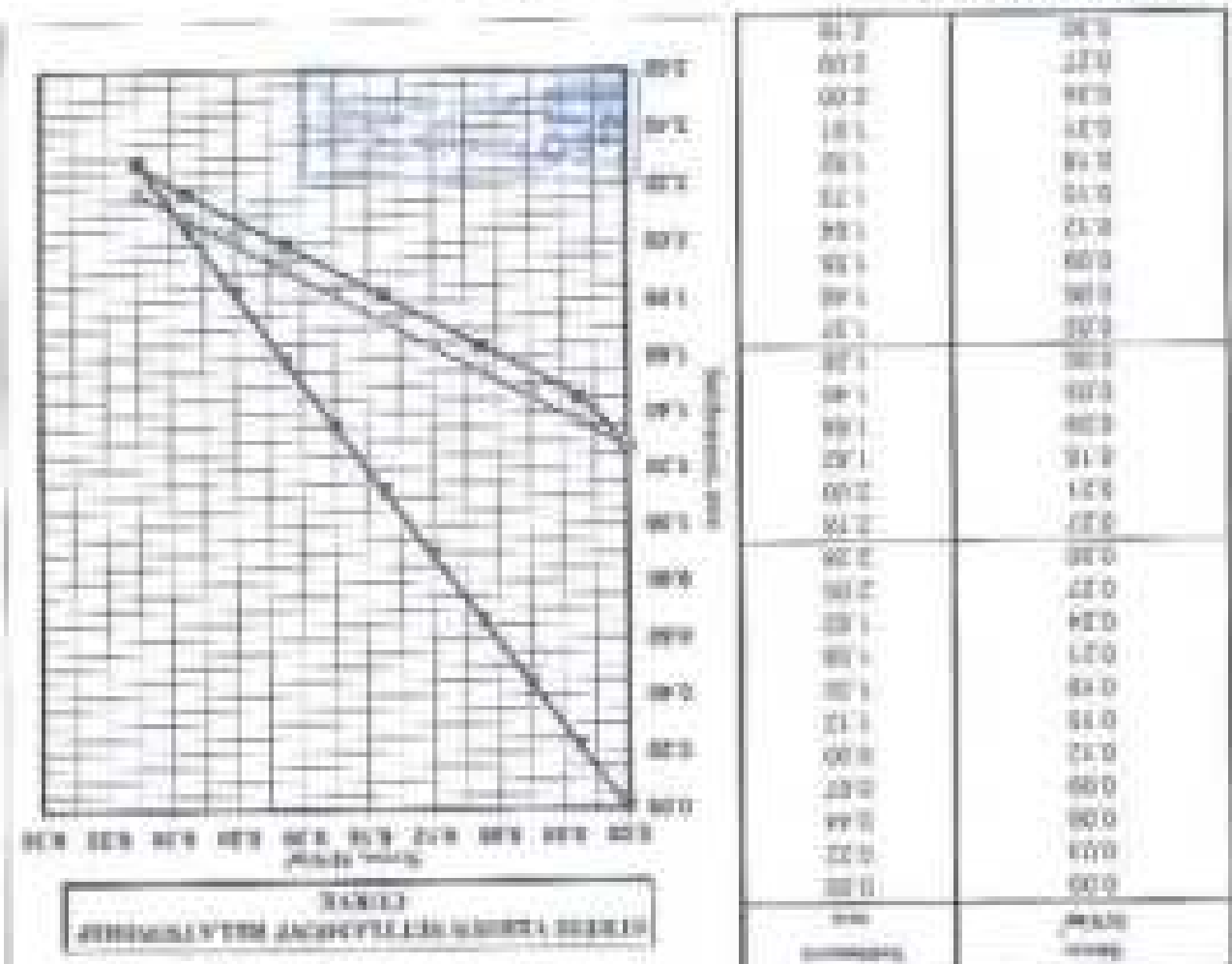
MODULUS OF SUB-GRADE REACTION, k

Strain, mm	Modulus, k
0.00	1.00
0.25	0.25
0.50	0.50
0.75	0.75
1.00	1.00
1.25	1.25
1.50	1.50
1.75	1.75
2.00	2.00
2.25	2.25
2.50	2.50
2.75	2.75
3.00	3.00

Journal of Management Inquiry 22(1) 3-14

	2012		2011
Operating income (loss) before income taxes	1,200	1,200	1,200
Income tax expense	300	300	300
Operating income (loss) after income taxes	900	900	900
Other income (expense)	100	100	100
Income before extraordinary items	1,000	1,000	1,000
Extraordinary items	200	200	200
Income (loss) available to common shareholders	1,200	1,200	1,200

● 30 MINUTE MEALS



DOI: 10.1002/for

KEY WORDS: aging; cognition; memory; personality

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1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

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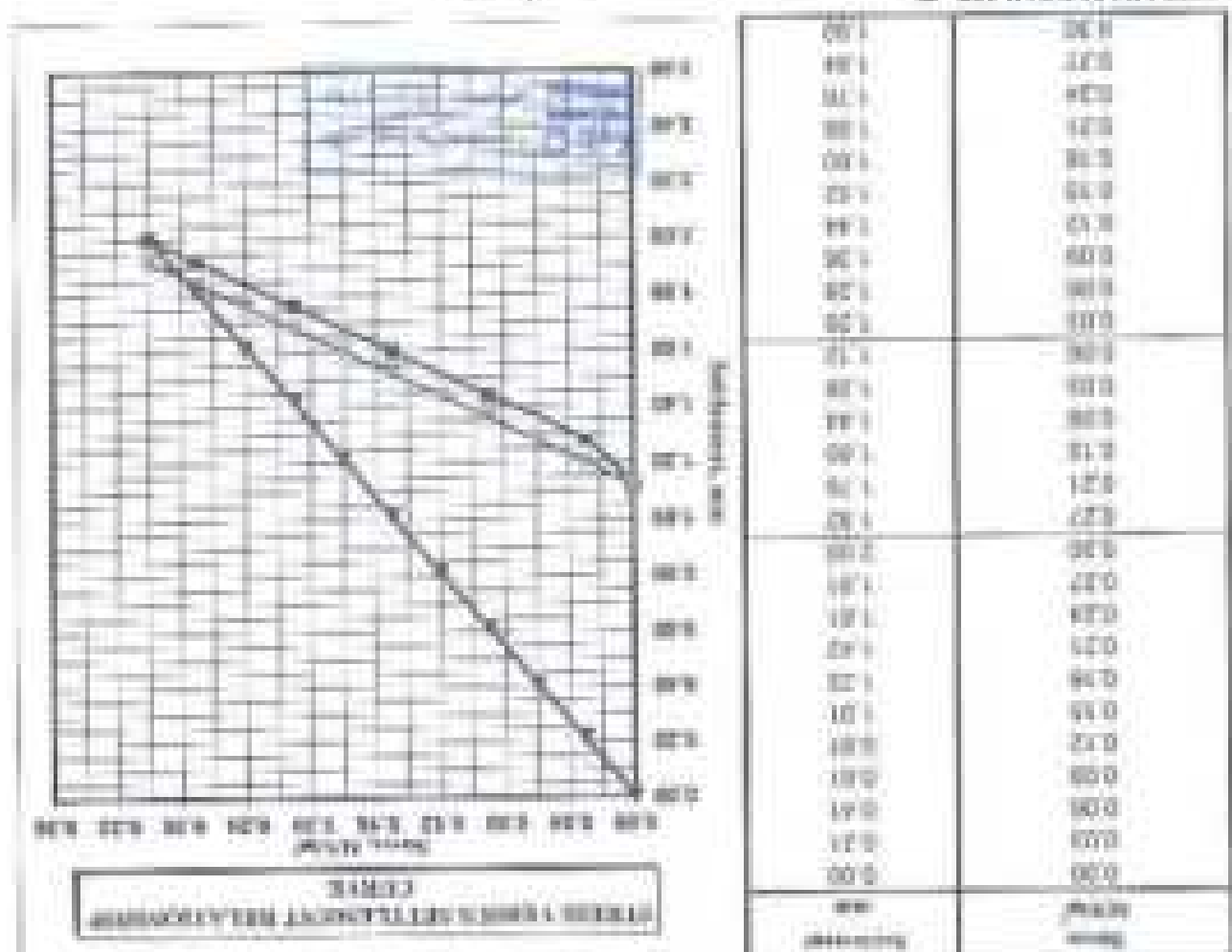


Thormaehlen
2011

Signature: _____

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1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st	32nd	33rd	34th	35th	36th	37th	38th	39th	40th	41st	42nd	43rd	44th	45th	46th	47th	48th	49th	50th	51st	52nd	53rd	54th	55th	56th	57th	58th	59th	60th	61st	62nd	63rd	64th	65th	66th	67th	68th	69th	70th	71st	72nd	73rd	74th	75th	76th	77th	78th	79th	80th	81st	82nd	83rd	84th	85th	86th	87th	88th	89th	90th	91st	92nd	93rd	94th	95th	96th	97th	98th	99th	100th

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Жотана

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MOMENTS OF SUB-CHINESE REACTION FOR

DATE		LOCATION
10/01	10/10	1. (mm) (mm) (mm)
10/11	10/11	2. (mm) (mm) (mm)
10/12	10/12	3. (mm) (mm) (mm)
10/13	10/13	4. (mm) (mm) (mm)
10/14	10/14	5. (mm) (mm) (mm)
10/15	10/15	6. (mm) (mm) (mm)
10/16	10/16	7. (mm) (mm) (mm)
10/17	10/17	8. (mm) (mm) (mm)
10/18	10/18	9. (mm) (mm) (mm)
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10/22	10/22	13. (mm) (mm) (mm)
10/23	10/23	14. (mm) (mm) (mm)
10/24	10/24	15. (mm) (mm) (mm)
10/25	10/25	16. (mm) (mm) (mm)
10/26	10/26	17. (mm) (mm) (mm)
10/27	10/27	18. (mm) (mm) (mm)
10/28	10/28	19. (mm) (mm) (mm)
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10/30	10/30	21. (mm) (mm) (mm)
10/31	10/31	22. (mm) (mm) (mm)
11/01	11/01	23. (mm) (mm) (mm)
11/02	11/02	24. (mm) (mm) (mm)
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11/17	11/17	39. (mm) (mm) (mm)
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11/22	11/22	44. (mm) (mm) (mm)
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11/29	11/29	51. (mm) (mm) (mm)
11/30	11/30	52. (mm) (mm) (mm)
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1. *Identify the main purpose of the text.*
 2. *Summarize the key points in your own words.*
 3. *Identify the author's tone and style.*
 4. *Identify the main argument or thesis.*
 5. *Identify the supporting evidence.*
 6. *Identify the conclusion.*
 7. *Identify the main points of the text.*
 8. *Identify the main points of the text.*
 9. *Identify the main points of the text.*
 10. *Identify the main points of the text.*

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2073	0.00
2074	0.00
2075	0.00
2076	0.00
2077	0.00
2078	0.00
2079	0.00
2080	0.00
2081	0.00
2082	0.00
2083	0.00
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2089	0.00
2090	0.00
2091	0.00
2092	0.00
2093	0.00
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2096	0.00
2097	0.00
2098	0.00
2099	0.00
2100	0.00

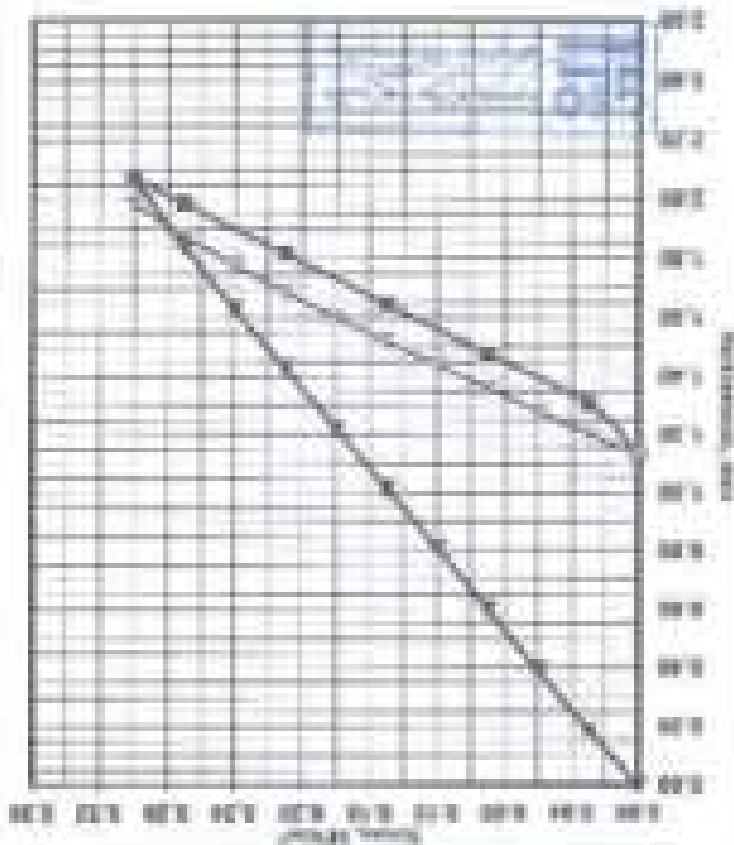


TABLE 1
DESCRIPTIVE STATISTICS AND TESTS FOR HOMOGENEITY

Source: *Journal of the American Statistical Association*, 1997, 92, 103-113.

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1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

2001-2002

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Received 12/10/2011

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Keywords: *workplace spirituality, organizational commitment, organizational trust, organizational identification, organizational citizenship behaviors*

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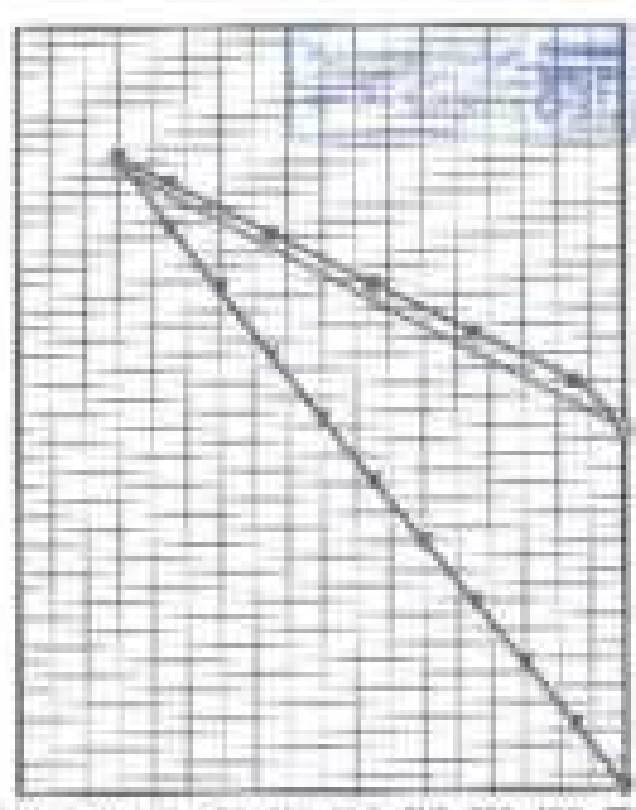
Жирная

David J. C. MacKay, *University of Waterloo*

2017

STRAIN MODULUS, E_s

STRAIN MODULUS, E_s	STRAIN MODULUS, E_s	STRAIN MODULUS, E_s
1.0	1.0	1.0
2.0	2.0	2.0
3.0	3.0	3.0
4.0	4.0	4.0
5.0	5.0	5.0
6.0	6.0	6.0
7.0	7.0	7.0
8.0	8.0	8.0
9.0	9.0	9.0
10.0	10.0	10.0



STRAIN MODULUS, E_s CURVE

STRAIN MODULUS, E_s	STRAIN MODULUS, E_s	STRAIN MODULUS, E_s
0.00	0.00	0.00
0.01	0.01	0.01
0.02	0.02	0.02
0.03	0.03	0.03
0.04	0.04	0.04
0.05	0.05	0.05
0.06	0.06	0.06
0.07	0.07	0.07
0.08	0.08	0.08
0.09	0.09	0.09
0.10	0.10	0.10
0.11	0.11	0.11
0.12	0.12	0.12
0.13	0.13	0.13
0.14	0.14	0.14
0.15	0.15	0.15
0.16	0.16	0.16
0.17	0.17	0.17
0.18	0.18	0.18
0.19	0.19	0.19
0.20	0.20	0.20

CLIENT:
 PROJECT:
 LOCATION:
 SCALE:
 DATE:
 TIME:
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:

Please Read Terms of Trade
 10/10/10

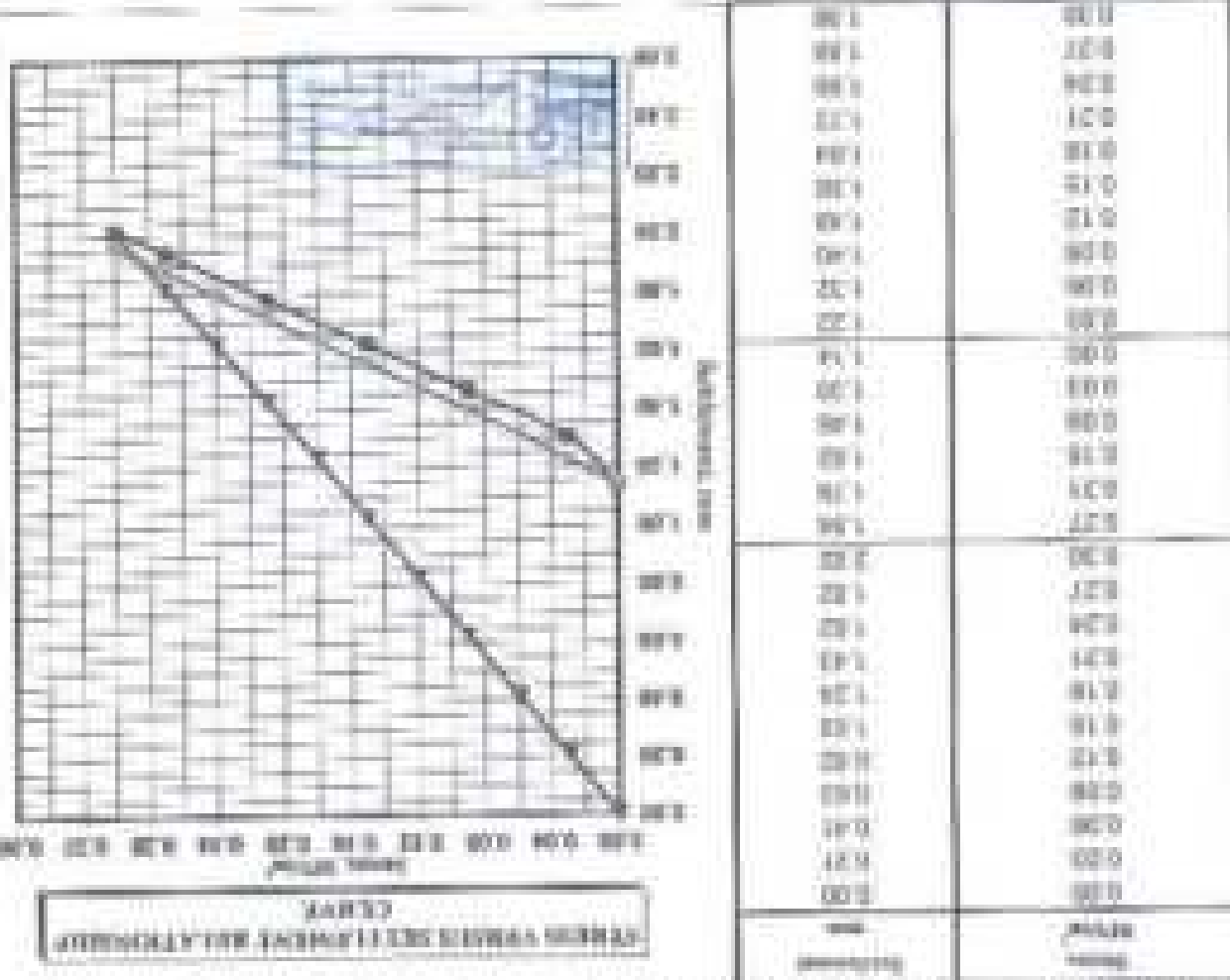


11/11/10
 12/12/10

MODULUS OF SUB-GRADE REACTION, k_v
 (lb/in²/in)

Subgrade	1 ft thick	2 ft thick
Gravel	10,000	20,000
Gravel with 1% cement	15,000	30,000
Gravel with 2% cement	20,000	40,000
Gravel with 3% cement	25,000	50,000
Gravel with 4% cement	30,000	60,000
Gravel with 5% cement	35,000	70,000
Gravel with 6% cement	40,000	80,000
Gravel with 7% cement	45,000	90,000
Gravel with 8% cement	50,000	100,000
Gravel with 9% cement	55,000	110,000
Gravel with 10% cement	60,000	120,000

STAIN MODULUS, E_v
 (lb/in²)



OTHER VALUES OF STAIN MODULUS, E_v (lb/in²)

Subgrade	Stain Modulus (E_v)
Gravel	10,000
Gravel with 1% cement	15,000
Gravel with 2% cement	20,000
Gravel with 3% cement	25,000
Gravel with 4% cement	30,000
Gravel with 5% cement	35,000
Gravel with 6% cement	40,000
Gravel with 7% cement	45,000
Gravel with 8% cement	50,000
Gravel with 9% cement	55,000
Gravel with 10% cement	60,000

PLAN AND SECTION
 (SEE DRAWING)



1. Project Name: _____
 2. Project No.: _____
 3. Date: _____
 4. Location: _____

5. Client Name: _____
 6. Client Address: _____
 7. Client Phone: _____
 8. Client Email: _____

RESULTS OF SUB-GRADE REACTION, R_u
 (1953)

TEST NO.	TEST RESULT	TEST RESULT
1	1.00	1.00
2	1.00	1.00
3	1.00	1.00
4	1.00	1.00
5	1.00	1.00
6	1.00	1.00
7	1.00	1.00
8	1.00	1.00
9	1.00	1.00
10	1.00	1.00

STRAIN MODULUS, E_s

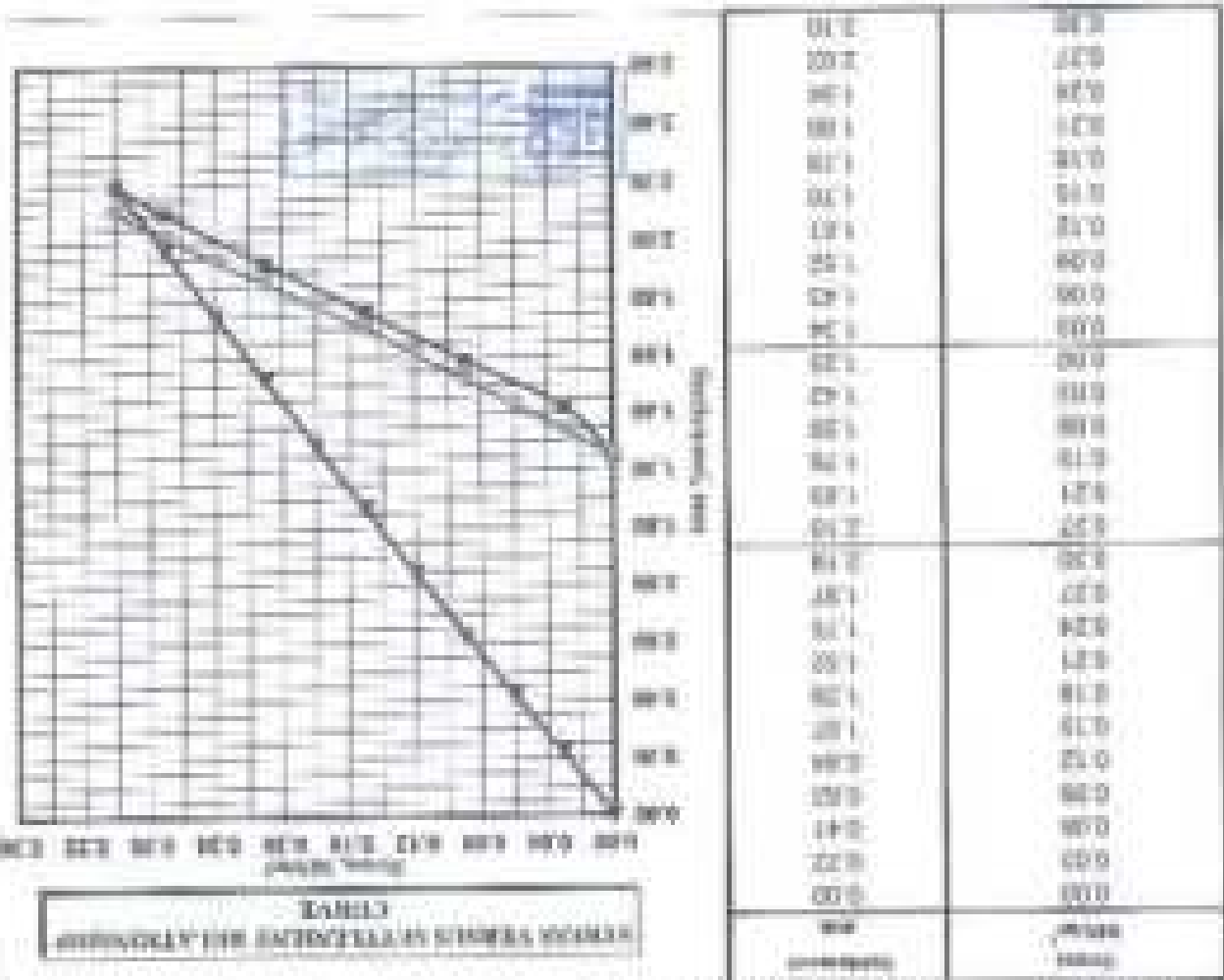


TABLE
 STRAIN MODULUS IN VARIOUS DIRECTIONS

STRAIN MODULUS, E_s

CLIENT: _____
 PROJECT: _____
 LOCATION: _____
 DRAWING NO: _____
 SCALE: _____
 DATE: _____
 TIME: _____
 TIME: _____
 TIME: _____

Table 1 and Table 2



Ministry of Transportation and Infrastructure
 1000

Ministry of Transportation and Infrastructure
 1000

11/11/2019 12:11 PM 11/11/2019 12:11 PM

PROFITS OF SUB-GRANT REACTION TO

Category	Value	Unit
1. Total number of students	1000	Students
2. Number of students who passed	750	Students
3. Number of students who failed	250	Students
4. Percentage of students who passed	75%	%
5. Percentage of students who failed	25%	%

STITCHED MANUSCRIPTS

0.00	0.00
0.01	0.01
0.02	0.02
0.03	0.03
0.04	0.04
0.05	0.05
0.06	0.06
0.07	0.07
0.08	0.08
0.09	0.09
0.10	0.10
0.11	0.11
0.12	0.12
0.13	0.13
0.14	0.14
0.15	0.15
0.16	0.16
0.17	0.17
0.18	0.18
0.19	0.19
0.20	0.20
0.21	0.21
0.22	0.22
0.23	0.23
0.24	0.24
0.25	0.25
0.26	0.26
0.27	0.27
0.28	0.28
0.29	0.29
0.30	0.30
0.31	0.31
0.32	0.32
0.33	0.33
0.34	0.34
0.35	0.35
0.36	0.36
0.37	0.37
0.38	0.38
0.39	0.39
0.40	0.40
0.41	0.41
0.42	0.42
0.43	0.43
0.44	0.44
0.45	0.45
0.46	0.46
0.47	0.47
0.48	0.48
0.49	0.49
0.50	0.50
0.51	0.51
0.52	0.52
0.53	0.53
0.54	0.54
0.55	0.55
0.56	0.56
0.57	0.57
0.58	0.58
0.59	0.59
0.60	0.60
0.61	0.61
0.62	0.62
0.63	0.63
0.64	0.64
0.65	0.65
0.66	0.66
0.67	0.67
0.68	0.68
0.69	0.69
0.70	0.70
0.71	0.71
0.72	0.72
0.73	0.73
0.74	0.74
0.75	0.75
0.76	0.76
0.77	0.77
0.78	0.78
0.79	0.79
0.80	0.80
0.81	0.81
0.82	0.82
0.83	0.83
0.84	0.84
0.85	0.85
0.86	0.86
0.87	0.87
0.88	0.88
0.89	0.89
0.90	0.90
0.91	0.91
0.92	0.92
0.93	0.93
0.94	0.94
0.95	0.95
0.96	0.96
0.97	0.97
0.98	0.98
0.99	0.99
1.00	1.00

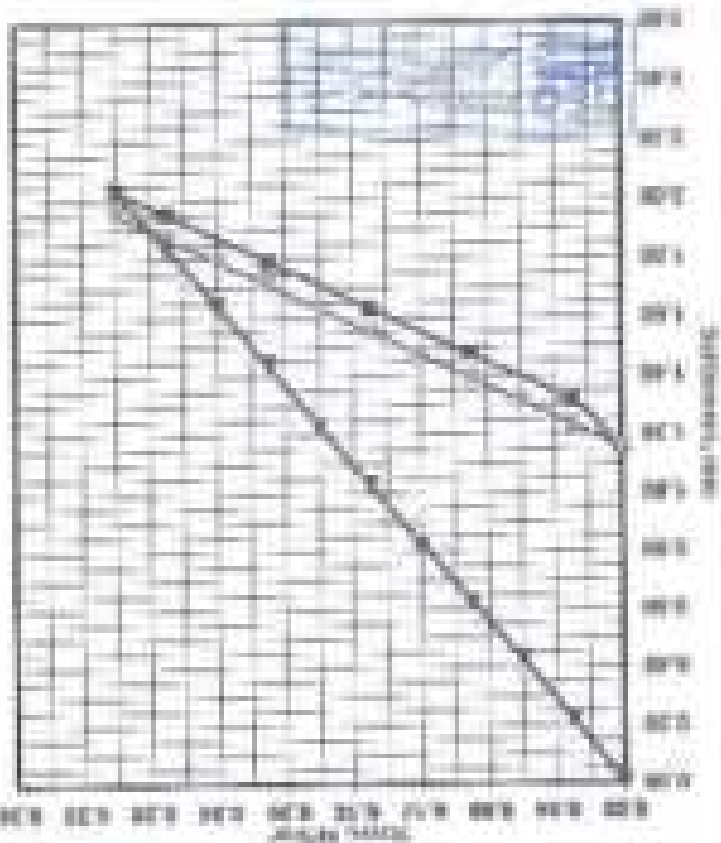


TABLE 1
DEVELOPMENT OF THE JACQUES-LAURENT MATHS CURRICULUM

1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812

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THE RESULTS

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1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

1. *Journal of Management Education*, 2000, 24(1), 10-19.

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1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

100

1000

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Journal of Internal Medicine 255: 105–112

REPORT NO. 100



Метод

Signature: _____ Date: _____

Final Load Test of Soil



DATE

Test Report

PROJECT

Client Report

TEST LOCATION

At (Location) (Date)

TEST METHOD

Standard Test Method

TEST OF SOIL

TEST OF SOIL

TEST OF SOIL

TEST OF SOIL

TEST OF SOIL

TEST OF SOIL

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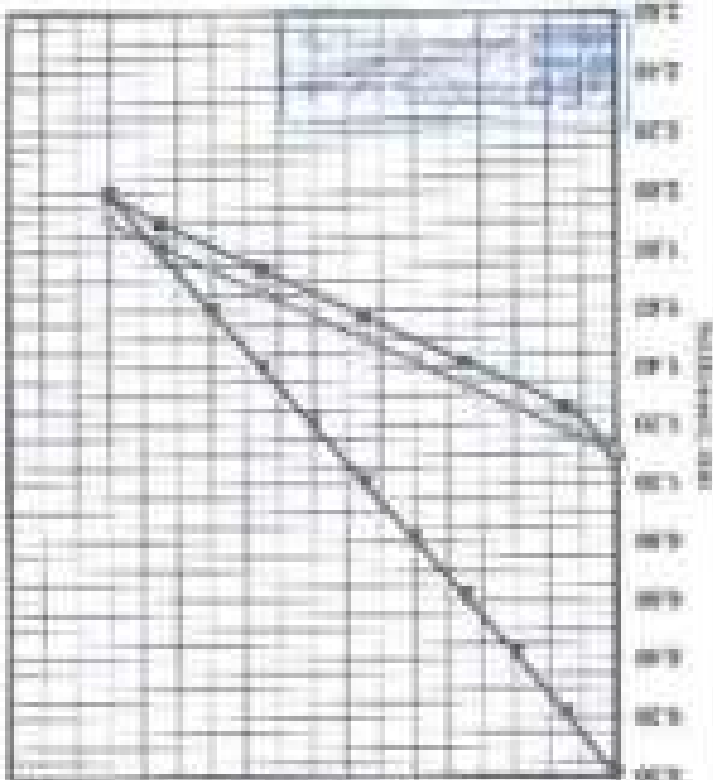


FIGURE 1: LOAD vs SETTLEMENT

Load (kN)	Settlement (mm)
0	0
10	1
20	2
30	3
40	4
50	5
60	6
70	7
80	8
90	9
100	10

FIGURE 2: LOAD vs SETTLEMENT

Load (kN)	Settlement (mm)
0	0
10	1
20	2
30	3
40	4
50	5
60	6
70	7
80	8
90	9
100	10

FIGURE 3: LOAD vs SETTLEMENT

Load (kN)	Settlement (mm)
0	0
10	1
20	2
30	3
40	4
50	5
60	6
70	7
80	8
90	9
100	10

FIGURE 4: LOAD vs SETTLEMENT

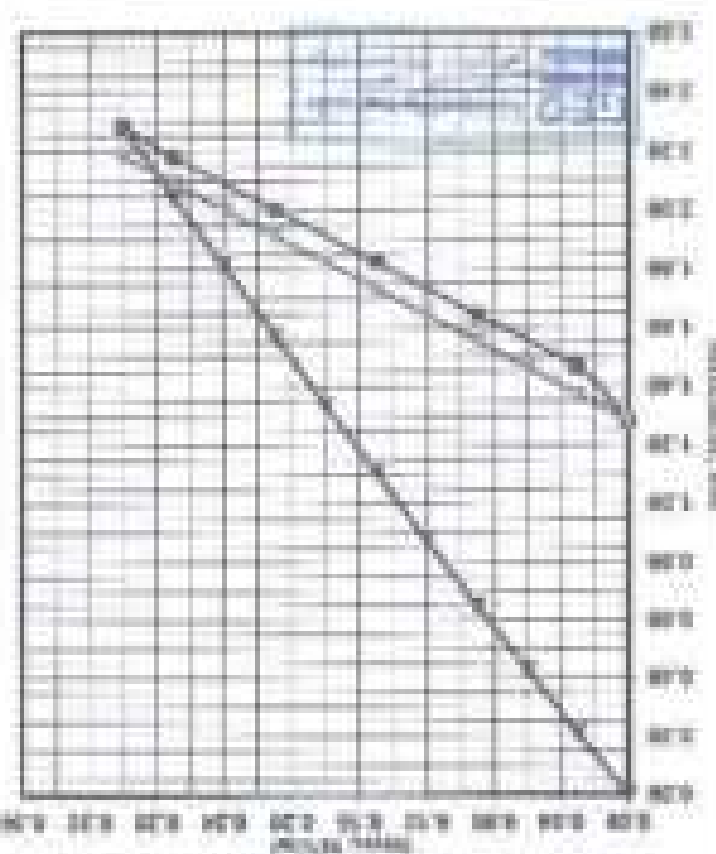
MODULUS OF SUB-GRADE REACTION, k_v

EXPLAN	2.05	2.05
EX [mm]	23.8	187.5
k_v [mm/m ²]	1.155	0
k_v [mm/m ²]	1.204	3
COORD	0.30	0.30
	1.00	1.00

1. The modulus of sub-grade reaction, k_v , is a measure of the stiffness of the sub-grade.
 2. It is defined as the ratio of the load applied to the area of the loaded surface.
 3. The modulus of sub-grade reaction, k_v , is a function of the type of soil and the depth of the sub-grade.
 4. The modulus of sub-grade reaction, k_v , is a function of the type of soil and the depth of the sub-grade.

STRAIN MODULUS, E_v

STRAIN	STRAIN
0.00	0.00
0.01	0.01
0.02	0.02
0.03	0.03
0.04	0.04
0.05	0.05
0.06	0.06
0.07	0.07
0.08	0.08
0.09	0.09
0.10	0.10
0.11	0.11
0.12	0.12
0.13	0.13
0.14	0.14
0.15	0.15
0.16	0.16
0.17	0.17
0.18	0.18
0.19	0.19
0.20	0.20
0.21	0.21
0.22	0.22
0.23	0.23
0.24	0.24
0.25	0.25
0.26	0.26
0.27	0.27
0.28	0.28
0.29	0.29
0.30	0.30
0.31	0.31
0.32	0.32
0.33	0.33
0.34	0.34
0.35	0.35
0.36	0.36
0.37	0.37
0.38	0.38
0.39	0.39
0.40	0.40
0.41	0.41
0.42	0.42
0.43	0.43
0.44	0.44
0.45	0.45
0.46	0.46
0.47	0.47
0.48	0.48
0.49	0.49
0.50	0.50
0.51	0.51
0.52	0.52
0.53	0.53
0.54	0.54
0.55	0.55
0.56	0.56
0.57	0.57
0.58	0.58
0.59	0.59
0.60	0.60
0.61	0.61
0.62	0.62
0.63	0.63
0.64	0.64
0.65	0.65
0.66	0.66
0.67	0.67
0.68	0.68
0.69	0.69
0.70	0.70
0.71	0.71
0.72	0.72
0.73	0.73
0.74	0.74
0.75	0.75
0.76	0.76
0.77	0.77
0.78	0.78
0.79	0.79
0.80	0.80
0.81	0.81
0.82	0.82
0.83	0.83
0.84	0.84
0.85	0.85
0.86	0.86
0.87	0.87
0.88	0.88
0.89	0.89
0.90	0.90
0.91	0.91
0.92	0.92
0.93	0.93
0.94	0.94
0.95	0.95
0.96	0.96
0.97	0.97
0.98	0.98
0.99	0.99
1.00	1.00



GRAPH SHOWING STRAIN MODULUS, E_v , VS. STRAIN

1. The modulus of sub-grade reaction, k_v , is a measure of the stiffness of the sub-grade.
 2. It is defined as the ratio of the load applied to the area of the loaded surface.
 3. The modulus of sub-grade reaction, k_v , is a function of the type of soil and the depth of the sub-grade.
 4. The modulus of sub-grade reaction, k_v , is a function of the type of soil and the depth of the sub-grade.

5. The modulus of sub-grade reaction, k_v , is a function of the type of soil and the depth of the sub-grade.
 6. The modulus of sub-grade reaction, k_v , is a function of the type of soil and the depth of the sub-grade.



Customer : Suez Rise Construction

Project : Electric Express Train, At Ain Helwan to Mansa Matruh Priority Sector (II)
Alamut to Foka

Subject : Determine the deformation and strength characteristics of soil by the plate loading test according specifications, EN 18154:2012-04 and project requirements.

Test Location : (660+775 to 440+800)

Test Date : 12/06/2023

Report Date : 26/07/2023

Type of soil : -----

Test level : Sub-ballast.

Report No. : 271/276

Dear Gentlemen,

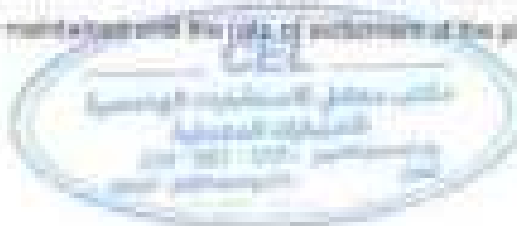
According to the above mentioned subject the test performed as follows:-

Apparatus

1. Loading plates consists of two plates with 300 mm and 300 mm diameter
2. The thickness of plates 30 mm
3. Dial gauges with accuracy 0.01 mm to measuring the settlement
4. Steel strengthened with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicator measuring device with scale capacity 750 lbs (300kN)
7. Reaction loading system by oiler compressor with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clean the ground on test area to the required level with undisturbed soil
2. Install testing plates 300 mm and 300 mm diameter, hydraulic jack and 2 dial gauges
3. Prior to starting the test applied preloading about 30 seconds.
4. The dial gauges and the dial gauge shall be set to zero
5. For a 300 mm loading plate, the test values are 2.5 kg/cm²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum nominal stress is reached.
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be released in 3 stages, to 66 % , 33 % , and approximately 2 % of the maximum load
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not repeated).
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min
11. Remove the loads



Result

1. Evaluation and representation of results.
2. Load-Settlement curve
3. The test report covered the following:
 - Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of loading material below the plate - Weathering condition
 - Time and date of measurements - Observed observation marks during test
 - Dial gauge reading and corresponding vertical stress - Loading settlement curve
 - Description of the soil conditions below the plate after testing

Report

Type of soil: Sub ballast.

- Job requirement: $E_v \geq 1(125 \text{ MPa})$, $E_v \geq 1(100 \text{ Mpa})$ and $(F_v/E_v) \geq 1.2$.

Item	Descriptions
Type of loading material below the plate	Natural Soil
Weather condition	Sunny
Plate Diameter (mm)	600
Date of Measurement	17/06/2020
Observed observation marks during test	NO
Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results

Test No	Station:		First Cycle	Second Cycle	Eval. Eval. Ratio
	From	To	$E_v (\text{kg/cm}^2)$	$E_v (\text{kg/cm}^2)$	
1	440+775	440+800	1375	2054	1.5
2	440+750	440+775	1367	1858	1.2
3	440+844	440+825	1327	1761	1.3
4	440+828	440+850	1588	1770	1.1
5	440+855	440+875	1341	1544	1.8
6	440+835	440+900	1183	2444	2.1



Company Name : Sam Riba Construction
 Project : Elmetla Express Road, Area of 400 meters to Marry Matarat Heavy Service Rd - Marryut to Fika
 Test Date : 17/04/2023
 report date : 26/07/2023
 Location : Station 440+073 to 440+000
 Test No. : 01

Nonpenetitive Static Plate Load Tests of Soils DPM 18134

Date sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.00	0.18	10.00	0.20	10.10	0.20	0.21
2	0.80	10.00	0.33	10.00	0.40	10.40	0.31	0.40
3	1.20	10.00	0.45	10.00	0.60	10.20	0.70	0.58
4	1.60	10.00	0.58	10.00	0.70	10.00	0.80	0.70
5	2.00	10.00	0.68	10.00	0.80	10.00	1.00	0.87
6	2.40	10.00	0.80	10.00	1.00	10.00	1.10	1.01

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.40	10.00	0.87	10.00	1.00	10.00	1.10	1.01
2	2.00	10.00	0.70	10.00	1.00	10.00	1.00	0.90
3	0.80	10.00	0.67	10.00	0.90	10.00	1.00	0.88
4	0.01	10.00	0.67	10.00	0.80	10.00	0.70	0.70

Loading Stage (2)

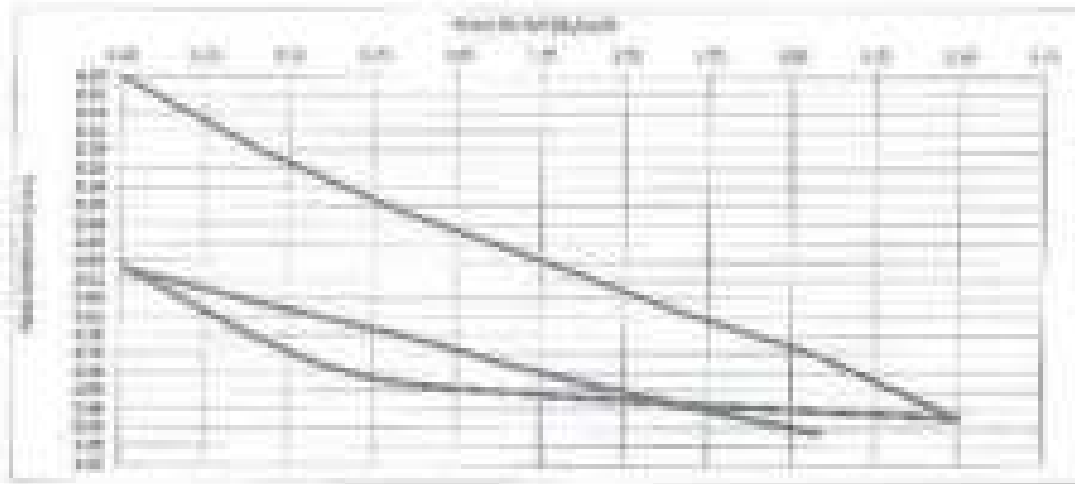
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.40	10.00	0.50	10.00	0.70	10.00	0.70	0.60
1	0.80	10.00	0.60	10.00	0.80	10.00	0.80	0.70
2	1.20	10.00	0.80	10.00	0.80	10.00	0.80	0.80
3	1.60	10.00	0.77	10.00	0.80	10.00	1.00	0.91
4	2.00	10.00	0.80	10.00	1.00	10.00	1.00	0.90



Contracting Party
Project
Test Code
Report No.
Location
Test Date

Test Item Description
Standard Reference Test: from all the facilities to obtain Minimum Flanking Factor (FF) - Minimum to 1000
FF1000000
Ref: 10000
Section Identification reference
FF

Compressive Stress / Tensile Load Tests of Balls CEN 12518



Loading (T)	0	1	2	3	4	5	6
Stress (MPa)	0	1188.00	2144.0	3052.0	4116.0	5078.0	5980
Strain (mm/mm)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Stiffness (mm)	0.00	0.01	0.02	0.03	0.04	0.05	0.06

100 Loading (T)	1	2	3	4
Stress (MPa)	1000	1000	1000	0
Strain (mm/mm)	0.00	0.00	0.00	0.00
Stiffness (mm)	0.00	0.00	0.00	0.00

Stiffness = 1000 N/mm
Stress = 1000 MPa
Strain = 0.00 mm/mm
Stiffness = 1000 N/mm

Stiffness = 1.0

Loading (T)	0	1	2	3	4	5
Stress (MPa)	0	1000.00	2144.0	3052.0	4116.0	5078.0
Strain (mm/mm)	0.00	0.40	0.80	1.20	1.60	2.00
Stiffness (mm)	0.00	0.01	0.02	0.03	0.04	0.05

Stiffness = 1000 N/mm
Stress = 1000 MPa
Strain = 0.00 mm/mm
Stiffness = 1000 N/mm

Stiff = Stiffness of ball during the loading stage.
Stiff = Stiffness of ball during the unloading stage.
Stiff = Stiffness of ball during the loading stage.
Stiff = Stiffness of ball during the unloading stage.
Stiff = Stiffness of ball during the loading stage.
Stiff = Stiffness of ball during the unloading stage.



Company Name : Sun Rise Construction
Project : Eastern Express Train, from Al Ain Station to Marwa Station (Priority Tunnel) (B) - Almarai to Pasha
Test Date : 17/06/2023
Report Date : 26/07/2023
Location : Station 686+750 to 686+775
Test No. : 80

Non-saturated Static Plate Load Tests of Soils DIN 18134

Data sheet

Loading Stage (1)

Loading	Stress kPa/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	15.15	0.00	15.15	0.00	15.15	0.00	0.00
1	0.43	15.15	0.15	15.15	0.25	15.17	0.13	0.15
2	0.85	15.11	0.29	15.06	0.34	15.10	0.21	0.21
3	1.28	15.12	0.43	15.12	0.48	15.12	0.38	0.43
4	1.87	15.10	0.59	15.11	0.63	15.10	0.54	0.59
5	2.08	15.15	0.77	15.16	0.74	15.15	0.68	0.72
6	2.58	15.05	0.91	15.11	0.89	15.12	0.78	0.90

Unloading Stage (1)

Loading	Stress kPa/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	0.50	15.05	0.81	15.11	0.86	15.12	0.78	0.80
2	1.28	15.14	0.96	15.15	0.91	15.15	0.71	0.79
3	0.00	15.11	0.78	15.16	0.70	15.16	0.64	0.71
4	0.01	15.14	0.66	15.12	0.58	15.15	0.53	0.59

Loading Stage (2)

Loading	Stress kPa/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	15.40	0.38	15.38	0.42	15.35	0.41	0.40
1	0.85	15.37	0.43	15.45	0.39	15.44	0.38	0.39
2	1.28	15.25	0.71	15.32	0.68	15.35	0.65	0.69
3	1.87	15.21	0.78	15.17	0.83	15.21	0.79	0.80
4	2.08	15.11	0.87	15.16	0.94	15.11	0.85	0.89

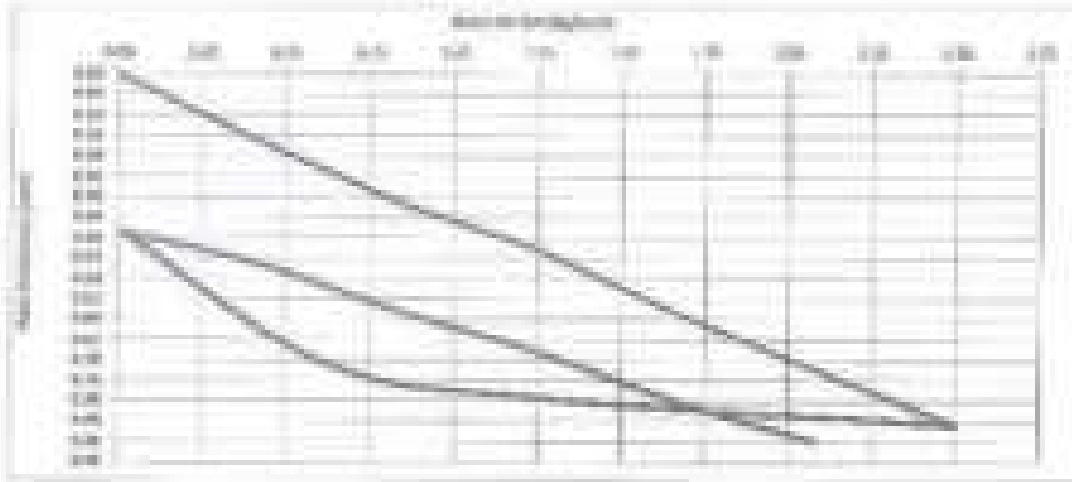


Company Name
Project
Test Item
Report No.
Location
Test No.

- Soil Mass Preparation
- Moisture Equilibrium Time, from 20 days before to Moisture Equilibrium Factor (M) - According to Table
- 110mm
- 100mm
- Moisture Equilibrium Factor (M)
- 20

Relationships Between Moisture Content and Stress

Table No. 1.1



Loading (%)	0	1	2	3	4	5	6
Moisture (%)	40	35.5	31.5	28.5	26.5	25.5	25
Normal Compression	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Swelling (%)	25	26.5	28.5	31.5	35.5	40	45
Swelling	0.1	0.2	0.3	0.4	0.5	0.6	0.7

Loading (%)	1	2	3	4
Moisture (%)	35.5	31.5	28.5	26.5
Normal Compression	0.2	0.3	0.4	0.5
Swelling (%)	26.5	28.5	31.5	35.5
Swelling	0.2	0.3	0.4	0.5

Moisture (%)	25	26.5	28.5	31.5	35.5	40	45
Swelling (%)	0.1	0.2	0.3	0.4	0.5	0.6	0.7

Moisture (%)

Loading (%)	0	1	2	3	4	5	6
Moisture (%)	40	35.5	31.5	28.5	26.5	25.5	25
Normal Compression	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Swelling (%)	25	26.5	28.5	31.5	35.5	40	45
Swelling	0.1	0.2	0.3	0.4	0.5	0.6	0.7

Moisture (%)	25	26.5	28.5	31.5	35.5	40	45
Swelling (%)	0.1	0.2	0.3	0.4	0.5	0.6	0.7

1.1 - Moisture content at saturation during the loading stage
1.2 - Moisture content at saturation during the swelling stage
1.3 - Plot of moisture content
1.4 - The difference between 1.1 and 1.2 (from the moisture content at saturation stage)
1.5 - The difference between 1.1 and 1.2 (from the moisture content at saturation stage)



Company Name : Sun Road Construction
 Project : El-Dokki Express Toll, East Al Ain Square to Hama - Matruh Priority Sector (B) - Alameda to Fatah
 Test Date : 17/04/2021
 report date : 20/04/2021
 Location : Station 440+000 to 440+025
 Test No. : 02

Nonopulsive Static Plate Load Tests of Soils QM 18134

Date sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.43	10.35	0.35	10.35	0.35	10.35	0.35	0.35
2	0.83	10.65	0.65	10.65	0.65	10.65	0.65	0.65
3	1.23	10.95	0.95	10.95	0.95	10.95	0.95	0.95
4	1.67	11.30	1.30	11.30	1.30	11.30	1.30	1.30
5	2.08	11.60	1.60	11.60	1.60	11.60	1.60	1.60
6	2.50	11.90	1.90	11.90	1.90	11.90	1.90	1.90

Unloading Stage (1)

Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	1.50	11.35	0.95	11.35	0.95	11.35	0.95	0.95
2	1.20	11.15	0.80	11.15	0.75	11.20	0.80	0.80
3	0.80	10.95	0.65	10.95	0.58	10.95	0.60	0.60
4	0.00	10.65	0.35	10.65	0.34	10.65	0.34	0.34

Loading Stage (2)

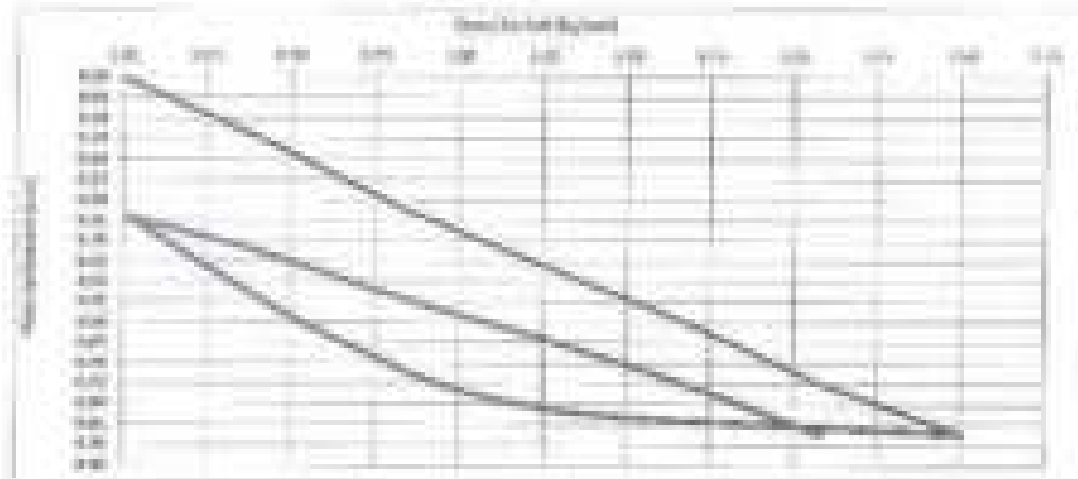
Loading	Stress kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.83	10.40	0.40	10.40	0.44	10.40	0.40	0.40
2	1.20	10.80	0.80	10.80	0.84	10.80	0.80	0.80
3	1.60	11.20	1.20	11.20	1.23	11.20	1.20	1.20
4	2.00	11.60	1.60	11.60	1.60	11.60	1.60	1.60



Executive Summary

- Project: **Electrical Storage Tanks, 1000 m³ and 1500 m³ Capacity, 1000 m³ and 1500 m³ Capacity**
- Location: **1000 m³ and 1500 m³ Capacity**
- Client: **1000 m³ and 1500 m³ Capacity**
- Design: **1000 m³ and 1500 m³ Capacity**
- Scale: **1000 m³ and 1500 m³ Capacity**

Representative Static Fluid Load Data of Tanks



Loading (kN)	0	1	2	3	4	5	6
1000 m ³	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1500 m ³	0.00	0.42	0.84	1.26	1.68	2.10	2.52
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Loading (kN)	1	2	3	4
1000 m ³	1000	1000	1000	0
1500 m ³	0.00	0.42	0.84	0.00
Settlement (mm)	0.00	0.10	0.20	0.00

1000 m ³	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1500 m ³	0.00	0.42	0.84	1.26	1.68	2.10	2.52

Scale: 1:1

Loading (kN)	0	1	2	3	4	5	6
1000 m ³	0	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1500 m ³	0.00	0.42	0.84	1.26	1.68	2.10	2.52
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

1000 m ³	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1500 m ³	0.00	0.42	0.84	1.26	1.68	2.10	2.52

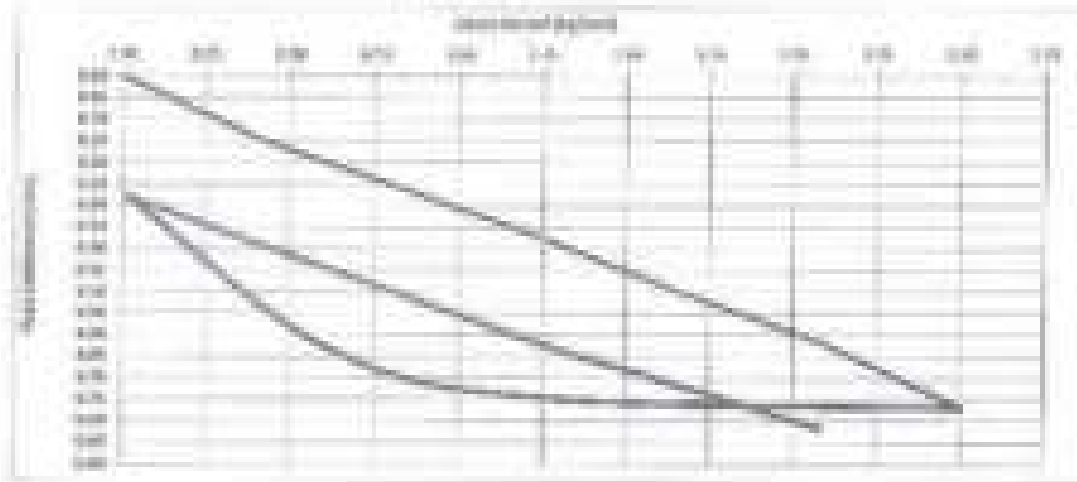
- 1000 m³ - Static fluid load during the loading stage.
- 1500 m³ - Static fluid load during the unloading stage.
- Settlement (mm)
- 1000 m³ - The difference between 1000 m³ and 1500 m³ during the maximum loading stage.
- 1500 m³ - The difference between 1000 m³ and 1500 m³ during the maximum unloading stage.



Contracting Name:
Project:
Task Name:
Input Data:
Location:
Task No.:

1. Soil Data Description:
2. Method: Standard Penetration Test (ASTM D1586) or Cone Penetration Test (ASTM D6032) or Field
3. Penetration:
4. Penetration:
5. Depth (m) or (ft):
6. No.

Representative Standard Penetration Test Results and Depth



Location (T)	0	1	2	3	4	5	6
Depth (m)	0	1.00	2.00	3.00	4.00	5.00	6.00
Standard Penetration Test (N60)	90	80	70	60	50	40	30
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Location (T)	1	2	3	4
Depth (m)	1.00	2.00	3.00	4.00
Standard Penetration Test (N60)	80	70	60	50
Settlement (mm)	0.10	0.20	0.30	0.40

Standard Penetration Test (N60)	90	80	70	60	50	40	30
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Location (T)	0	1	2	3	4	5	6
Depth (m)	0	1.00	2.00	3.00	4.00	5.00	6.00
Standard Penetration Test (N60)	90	80	70	60	50	40	30
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Settlement = 0.6

Standard Penetration Test (N60)	90	80	70	60	50	40	30
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

1.1 - Method of determination during the testing stage.
1.2 - Method of determination during the following stage.
1.3 - Field Standard Test.
1.4 - The difference between the results of the two methods during the testing stage.
1.5 - Difference in settlement comparing to 1.1 and 1.2 over the standard testing stage.



Company Name : Sam Riba Construction
 Project : El-Dokki Express Train, from El-Dokki Station to El-Dokki Station, El-Dokki Station (E) - El-Dokki Station (E)
 Test Date : 17/06/2023
 report date : 06/07/2023
 Location : Station 440+000 to 440+020
 Test No. : 08

Nonresilient Static Plate Load Tests of Soils GN 18134

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	19.05	0.00	19.05	0.00	19.05	0.00	0.00
1	0.42	19.07	0.20	19.11	0.20	19.15	0.20	0.20
2	0.83	19.08	0.54	19.10	0.83	19.24	0.50	0.57
3	1.25	19.14	0.48	19.11	0.77	19.30	0.60	0.59
4	1.67	19.08	0.81	19.21	0.73	19.35	0.83	0.68
5	2.08	19.05	0.72	19.17	0.83	19.19	0.70	0.77
6	2.50	19.08	0.94	19.21	0.97	19.11	0.89	0.90

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.06	0.84	19.05	0.87	19.11	0.80	0.83
2	1.25	19.05	0.70	19.19	0.87	19.11	0.79	0.80
3	0.83	19.08	0.81	19.20	0.74	19.20	0.80	0.80
4	0.42	19.10	0.38	19.11	0.30	19.17	0.33	0.34

Loading Stage (2)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.05	0.48	19.05	0.50	19.07	0.48	0.48
1	0.83	19.06	0.54	19.40	0.80	19.42	0.80	0.87
2	1.25	19.09	0.87	19.25	0.77	19.20	0.79	0.79
3	1.67	19.18	0.82	19.00	0.91	19.10	0.80	0.80
4	2.08	19.00	1.00	19.00	1.00	19.00	0.80	1.01



Company Name:

Project:

Test Title:

Report No.:

Location:

Test No.:

Test Name Description:

Ultimate Bearing Capacity Test for 40 cm Diameter Stone Column (40) - Results in Table

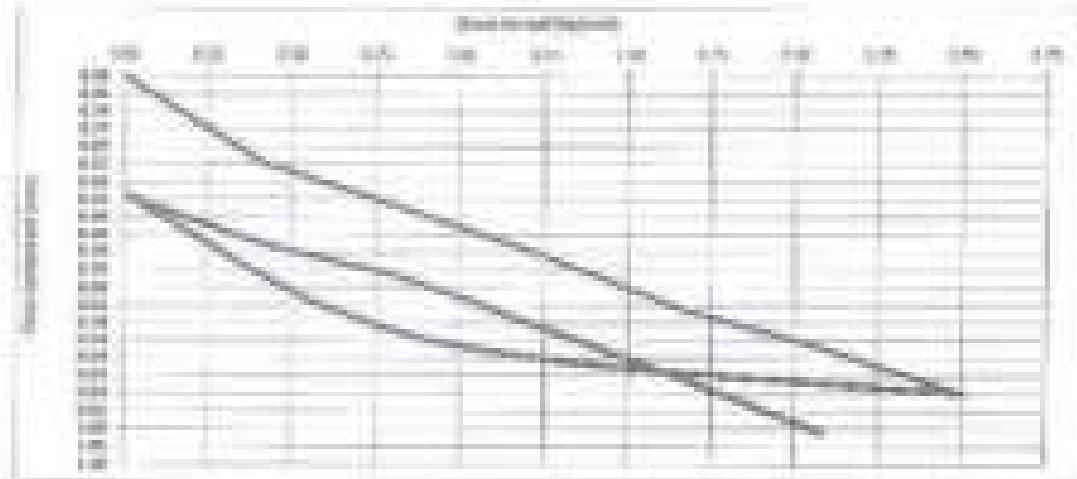
11560001

00070001

Station 0+000 to 0+050.00

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Representative Data From Load Tests of Soils DM 00128



Load (kN)	1	2	3	4	5	6	7
Settlement (mm)	0	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Ultimate Capacity (kN)	0.00	0.42	0.85	1.28	1.71	2.14	2.57
Settlement (mm)	0.00	0.25	0.50	0.75	1.00	1.25	1.50

Load (kN)	1	2	3	4
Settlement (mm)	1000	2000	3000	4000
Ultimate Capacity (kN)	0.30	0.60	0.90	1.20
Settlement (mm)	0.00	0.50	1.00	1.50

Q ₁ (kN) = 1000	Q ₂ (kN) = 2000	Q ₃ (kN) = 3000	Q ₄ (kN) = 4000	Q ₅ (kN) = 5000
Settlement (mm) = 0.1100	0.2200	0.3300	0.4400	0.5500

$$Q_{ult} = 1.0$$

Load (kN)	1	2	3	4	5	6	7
Settlement (mm)	0	1100.00	2200.00	3300.00	4400.00	5500.00	6600.00
Ultimate Capacity (kN)	0.00	0.42	0.85	1.28	1.71	2.14	2.57
Settlement (mm)	0.00	0.25	0.50	0.75	1.00	1.25	1.50

Q ₁ (kN) = 1000	Q ₂ (kN) = 2000	Q ₃ (kN) = 3000	Q ₄ (kN) = 4000	Q ₅ (kN) = 5000
Settlement (mm) = 0.1100	0.2200	0.3300	0.4400	0.5500

Q₁ = Bearing capacity of the test column during the loading stage.

Q₂ = Bearing capacity of the test column during the unloading stage.

Q₃ = Final bearing capacity.

Q₄ = The difference between Q₁ and Q₂ from the maximum loading stage (kN).

Q₅ = Difference in settlement corresponding to Q₁ and Q₂ from the maximum loading stage.

Company Name : Ben Rise Construction
 Project : Electric Powerline Test, from M.Ahmed Subbar to Benue District Primary School (B) - Abakaliki to Fata
 Test Date : 17/04/2022
 report date : 05/05/2022
 Location : Station 400+070 to 400+090
 Test No. : 108

Non-sensitive Static Plate Load Tests of Soils CM 18134

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.42	10.15	0.15	10.01	0.01	10.71	0.71	0.29
2	0.83	10.30	0.30	10.10	0.10	10.40	0.40	0.47
3	1.25	10.47	0.47	10.15	0.15	10.39	0.39	0.66
4	1.67	10.25	0.25	10.16	0.16	10.11	0.17	0.74
5	2.08	10.00	0.00	10.10	0.10	10.00	0.00	0.80
6	2.50	10.10	0.10	10.10	0.10	10.00	0.00	0.88

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	0.50	10.15	0.01	10.10	0.00	10.15	0.00	0.01
2	1.25	10.30	0.00	10.10	0.00	10.10	0.00	0.01
3	0.50	10.10	0.01	10.10	0.00	10.10	0.00	0.01
4	0.01	10.10	0.01	10.10	0.00	10.10	0.00	0.01

Loading Stage (2)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	10.10	0.10	10.10	0.10	10.10	0.10	0.10
1	0.83	10.10	0.00	10.10	0.00	10.10	0.00	0.00
2	1.25	10.10	0.00	10.10	0.00	10.10	0.00	0.00
3	1.67	10.10	0.00	10.10	0.00	10.10	0.00	0.00
4	2.08	10.10	0.00	10.10	0.00	10.10	0.00	0.00



Keywords: child sexual abuse; disclosure; social support

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Source: <http://www.fishbase.org>

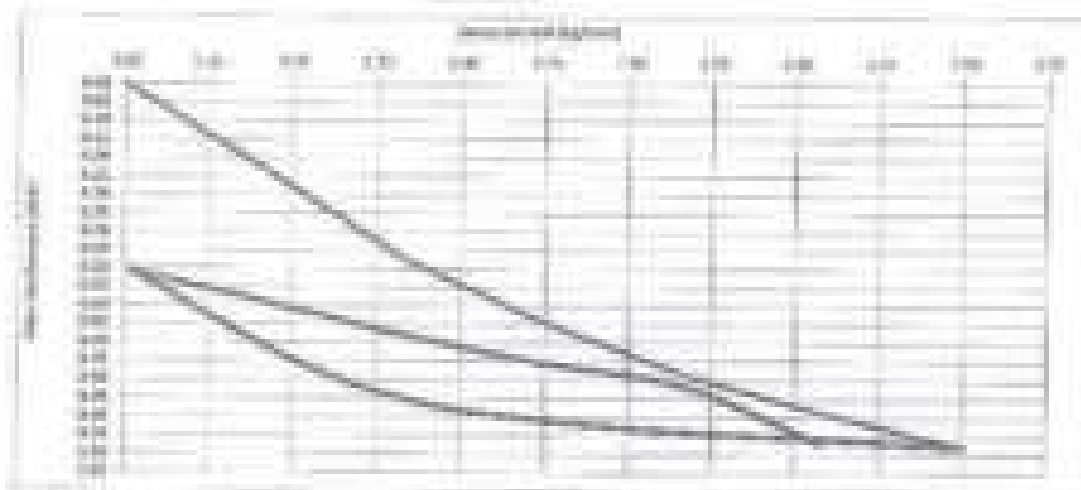
THESE EXPENSES HAVE BEEN PAID BY THE CANDIDATE IN FULL. NO OTHER FINANCIAL AID HAS BEEN RECEIVED BY THE CANDIDATE.

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[illegible]

Received 15 June 2006; accepted 15 June 2006

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Location (%)	I	J	K	L	M	N
Shanghai	0	1,080.69	1,080.69	1,080.69	1,080.69	1,080.69
Rarely observed	0.00	0.00	0.00	1.20	1.07	0.00
Common items	0.00	0.00	0.00	0.00	0.00	0.00

Ref. no.	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408
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Yearling 20	0	1	2	3	4	5
Boysen	0	199.07	200.0	193.3	179.0	167.1
Wass. Agrost	0.01	0.42	0.0	1.31	0.07	0.00
Relative error	0.00	0.00	0.00	0.00	0.00	0.00

2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012

Investment type	1	2	3	4
Property	2000	2000	1000	0
Shares (dividend)	0.00	1.00	10.00	0.00
Bonds (coupon)	10.00	10.00	0.00	0.00

	
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844 *Journal of International Marketing* 23(4)

Small business owners and managers are responsible for the success or failure of their organizations. They must be able to identify and address the needs of their customers, employees, and the community. They must also be able to manage their finances, their operations, and their marketing. This book provides a comprehensive guide to the essential skills and knowledge that small business owners and managers need to succeed. It covers topics such as business planning, financial management, operations management, marketing, and human resources. The book is written in a clear, concise, and practical style, making it an ideal resource for small business owners and managers. It is also a valuable resource for students and professionals who are interested in learning more about small business management.

Fig. 1. The difference between δ and δ' from the constant initial value δ_0 and δ'_0

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Company : **Sah Elor Construction**

Project : El-Metn Express Train, Al-Johi Station to Mansi Matruh Priority Station (1)
- Almetn to Fika
Subject : Determine the deformation and strength characteristics of soil by the plate
loading test according specifications EN 18134:2012-04 and project requirements
Test Location : (440+026) to (440+038)
Test Date : 24/05/2023
Report Date : 25/05/2023
Type of soil : _____
Test level : **Sub ballast** .
Report No. : **203-219**

Dear Gentlemen,

According to the above mentioned subject the test performed as follows:-

Apparatus

1. Loading plates consists of two plates with 800 mm and 500 mm diameter
2. The thickness of plates 30 mm
3. Dial gauges with accuracy 0.01 mm for measuring the settlement
4. Dial stringhtidges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reaction loads to the loading plates
6. Dial indicate measuring device with scale capacity 750 for (Gierford)
7. Reaction loading system by roller compactor with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clear the ground on test area to the required level with undisturbed soil
2. Install loading plates 800 mm and 500 mm diameter, hydraulic jack and 3 dial gauges
3. Prior to starting the test applied preloading about 30 seconds.
4. The strain gauge and the dial gauge shall be set to zero
5. For a 800 mm loading plate, the test values are 2.3 kg/cm²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum normal stress is reached.
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be removed in 3 stages, to 50 % - 35 %, and approximately 2 % of the maximum load.
9. Following unloading, a further (2%) loading cycle shall be carried out, in which, however, the load is to be increased only in the penultimate stage of the first cycle (so that the full load is not reached).
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min
11. Remove the loads



Result

1. Evaluation and representation of results
 2. Load Settlement curve
 3. The test report content the following -
- Location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of bedding material below the plate - Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading settlement curve
 - Description of the soil condition below the plate after testing

Result

Type of soil: Sub ballast

- Job requirement: $E_v2 > 1200 \text{ Kg/cm}^2$ (120 MPa) $E_v2/E_v1 \geq 2.2$

Item	Descriptions
Type of bedding material below the plate	Natural Soil
Weather condition	Dry
Plate Diameter (mm)	800
Date of measurement	24/05/2023
Unusual observation made during test	NO
Description of the soil conditions below the plate after testing	No deformation

Evaluation and representation of results

Test No.	Station		First Cycle	Second Cycle	Eval/Evt Ratio
	From	To	E_v (kg/cm ²)	E_v (kg/cm ²)	
1	445+000	445+025	1408	1381	0.9
2	445+025	445+050	1427	1200	1.1
3	445+050	445+075	1366	1092	1.4
4	445+075	445+100	1019	1060	1.4
5	445+100	445+125	1014	1762	1.2
6	445+125	445+150	1301	2027	1.6
7	445+150	445+175	1348	1058	1.2
8	445+175	445+200	1420	1205	1.2
9	445+200	445+225	1206	1839	1.5
10	445+225	445+250	1440	1040	1.1



Company Name : San Riser Construction
 Project : Sharm El-Sheikh Trolley Area At El-Helwan to Sharm El-Sheikh Railway Station (E) - Alameda to Tolly
 Test Date : 24/05/2023
 report date : 25/05/2023
 Location : Station 408+000 to 408+022
 Test No. : 01

Nondestructive Static Plate Load Tests of Soils DN 18134

Data sheet

Loading Stage (1)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.40	10.00	0.20	10.00	0.20	10.00	0.20	0.20
2	0.80	10.00	0.30	10.00	0.30	10.00	0.30	0.30
3	1.20	10.00	0.40	10.00	0.40	10.00	0.40	0.40
4	1.60	10.00	0.50	10.00	0.50	10.00	0.50	0.50
5	2.00	10.00	0.60	10.00	0.70	10.00	0.64	0.64
6	2.40	10.00	0.70	10.00	0.80	10.00	0.80	0.80

Unloading Stage (1)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
1	2.40	10.00	0.70	10.00	0.80	10.00	0.80	0.80
2	2.00	10.00	0.70	10.00	0.80	10.00	0.80	0.80
3	1.60	10.00	0.60	10.00	0.70	10.00	0.60	0.60
4	0.80	10.00	0.40	10.00	0.40	10.00	0.40	0.40

Loading Stage (2)

Loading	Stress	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
	Kg/cm ²		mm		mm		mm	
0	0.40	10.00	0.20	10.00	0.20	10.00	0.20	0.20
1	0.80	10.00	0.40	10.00	0.40	10.00	0.40	0.40
2	1.20	10.00	0.70	10.00	0.70	10.00	0.70	0.70
3	1.60	10.00	0.80	10.00	0.80	10.00	0.80	0.80
4	2.00	10.00	0.80	10.00	0.80	10.00	0.80	0.80



General Information
 Company: Superior Tools, Inc. Attn: Bill Sullivan for General Information Please Contact (800) 4-A-TOOL
 Address:
 Address:
 Phone: (800) 4-A-TOOL

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Company Name : Sun Max Construction
Project : Elmasara Express Train, from El Ma Station to El Masara Station - Priority Service (E) - Access to Egypt
Test Date : 24/05/2023
report date : 25/05/2023
Location : Station 448+000 to 449+000
Test No. : 03

Horizontal Static Plate Load Tests of Soils DN 18134

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	0.00	15.18	0.00	15.20	0.00	15.20	0.00	0.00
2	0.40	15.48	0.11	15.40	0.20	15.39	0.13	0.14
3	0.80	15.68	0.31	15.55	0.45	15.71	0.29	0.34
4	1.20	15.54	0.40	15.52	0.60	15.63	0.37	0.37
5	1.60	15.40	0.55	15.51	0.79	15.59	0.44	0.59
6	2.00	15.39	0.60	15.52	0.86	15.47	0.63	0.63
7	2.40	15.37	0.75	15.51	0.97	15.50	0.69	0.76

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.40	15.37	0.75	15.50	0.87	15.51	0.68	0.76
2	1.20	15.41	0.60	15.42	0.66	15.40	0.63	0.71
3	0.80	15.44	0.56	15.37	0.79	15.38	0.62	0.59
4	0.40	15.46	0.49	15.40	0.57	15.37	0.58	0.43

Loading Stage (2)

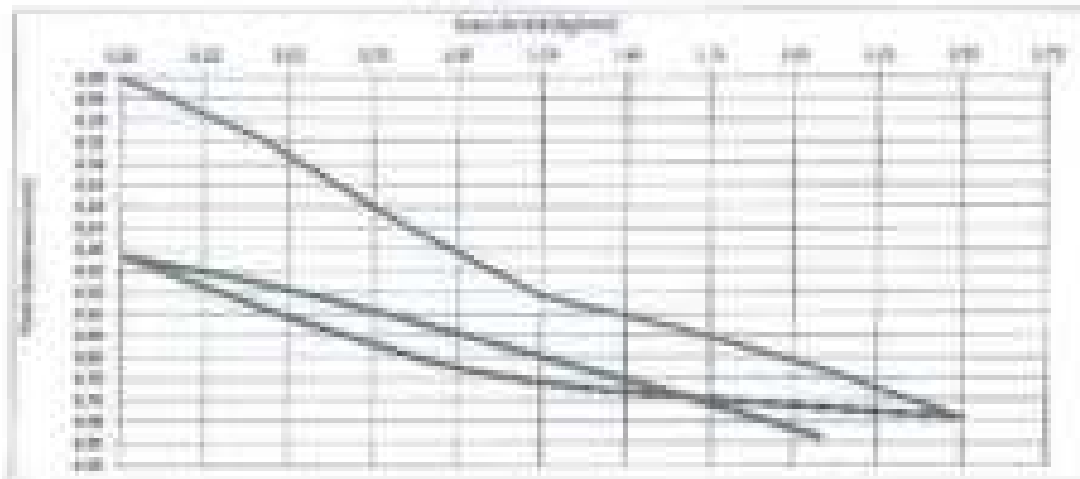
Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
8	0.40	15.32	0.48	15.36	0.64	15.35	0.37	0.48
1	0.80	15.46	0.64	15.35	0.74	15.30	0.49	0.58
2	1.20	15.35	0.89	15.35	0.83	15.32	0.48	0.83
3	1.60	15.38	0.72	15.33	0.87	15.31	0.63	0.78
4	2.00	15.37	0.86	15.36	0.94	15.25	0.78	0.84



Company Name
Project
Task Name
Report No.
Location
Scale 1:1

Test Item Description
Double Slapshot Tests, from 40 km/h down to 20 km/h (Double Slapshot Tests) - Standard Plate
Reference
Reference
Date: 2023/02/10 - 2023/02/10
Ref.

Investigative Static Plate Load Tests of Soils 100 kg/100



Loading (k)	0	1	2	3	4	5	6
Settlement (mm)	0	1.00	2.00	3.00	4.00	5.00	6.00
Stress (kg/cm ²)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Unloading (k)	0	1	2	3	4
Settlement (mm)	10.00	9.00	8.00	7.00	6.00
Stress (kg/cm ²)	2.40	1.60	0.80	0.40	0.20
Settlement (mm)	0.10	0.20	0.30	0.40	0.50

Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Loading (k)	0	1	2	3	4	5
Settlement (mm)	0	1.00	2.00	3.00	4.00	5.00
Stress (kg/cm ²)	0.00	0.40	0.80	1.20	1.60	2.00
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50

Settlement = 1.1

Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

Settlement (mm) = 0.00
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Settlement (mm) = 0.60



Company Name : Bush Nile Construction
Project : El-Nasr Express Train, from El-Maadi Station to El-Dokki Station (Priority Service) (S) - Aswan to Port
Test Date : 25/05/2023
Report Date : 25/05/2023
Location : Station 448+000 to 449+075
Test No. : 03

Noncompetitive Static Plate Load Tests of Soils CEN 18134

Data sheet

Loading Stage (1)

Loading	Stress kN/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	19.36	0.00	19.36	0.00	19.36	0.00	0.00
1	0.42	19.36	0.18	19.36	0.17	19.36	0.25	0.17
2	0.83	19.36	0.30	19.36	0.34	19.36	0.37	0.30
3	1.25	19.36	0.41	19.36	0.38	19.36	0.40	0.40
4	1.67	19.36	0.57	19.44	0.58	19.41	0.59	0.57
5	2.08	19.36	0.80	19.36	0.88	19.36	0.71	0.87
6	2.50	19.36	0.79	19.36	0.88	19.36	0.84	0.80

Unloading Stage (1)

Loading	Stress kN/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	1.50	19.36	0.78	19.36	0.85	19.36	0.81	0.80
2	1.25	19.36	0.70	19.36	0.75	19.36	0.80	0.75
3	0.825	19.37	0.63	19.33	0.68	19.39	0.72	0.65
4	0.41	19.36	0.45	19.34	0.48	19.31	0.48	0.47

Loading Stage (2)

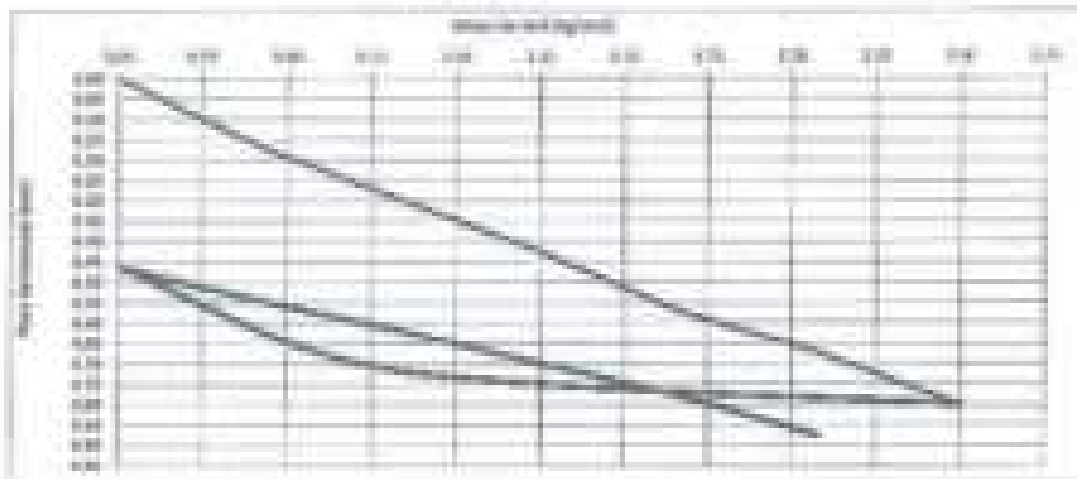
Loading	Stress kN/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.40	0.58	19.40	0.52	19.40	0.58	0.55
1	0.83	19.46	0.62	19.47	0.66	19.34	0.66	0.62
2	1.25	19.51	0.88	19.51	0.87	19.26	0.74	0.78
3	1.67	19.53	0.77	19.54	0.70	19.18	0.81	0.78
4	2.08	19.53	0.88	19.56	0.85	19.10	0.88	0.88



Company Name
Project
Test Type
Report No.
Location
Test No.

Test Item Description
Concrete Expansion Tests, from 14 Nos. Cylinders to Master, without Freezing Device (2) - Master to Ratio
2000/2000
2000/2000
Master: 2000/2000 to 2000/2000
20

Representative Static Test Load Tests of Rods (SR: 18134)



Loading (T)	0	1	2	3	4	5	6
Top Curve (kg)	0	1000.00	2000.00	3000.00	4000.00	5000.00	6000.00
Middle Curve (kg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Curve (kg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Unloading (T)	1	2	3	4
Top Curve (kg)	1000	2000	3000	4000
Middle Curve (kg)	0.00	0.00	0.00	0.00
Bottom Curve (kg)	0.00	0.00	0.00	0.00

0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Ratio = 1.0

Loading (T)	0	1	2	3	4	5
Top Curve (kg)	0	1000.00	2000.00	3000.00	4000.00	5000.00
Middle Curve (kg)	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Curve (kg)	0.00	0.00	0.00	0.00	0.00	0.00

0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

0.00 = Distance of deformation during the loading stage.
0.00 = Distance of deformation during the unloading stage.
0.00 = Free distance (mm).
0.00 = The difference between 0.00 and 0.00 from the maximum loading (max) stage.
0.00 = Difference of deformation of 0.00 and 0.00 from the maximum loading (max) stage.



Company Name : San Nile Construction
 Project : Marine Express Train from M. Aia Station to El-Dokki, Helwan-El-Dokki Section (B) - Helwan to Fika
 Test Date : 24/05/2023
 Report Date : 25/05/2023
 Location : Station 440+070 to 440+700
 Test No. : 04

Incremental Static Plate Load Tests of Soils QM 18134

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	25.50	0.00	25.50	0.00	25.50	0.00	0.00
1	0.42	25.83	0.33	25.83	0.33	25.83	0.33	0.33
2	0.83	26.71	0.20	26.60	0.10	26.60	0.10	0.10
3	1.25	26.29	0.22	26.31	0.40	26.45	0.32	0.34
4	1.67	26.45	0.24	26.25	0.25	26.22	0.07	0.22
5	2.08	26.30	0.68	26.30	0.88	26.28	0.22	0.78
6	2.50	26.24	0.78	26.25	0.87	26.25	0.09	0.77

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	26.24	0.78	26.25	0.87	26.25	0.09	0.81
2	1.25	26.45	0.73	26.26	0.21	26.27	0.22	0.82
3	0.83	26.71	0.68	26.38	0.34	26.15	0.68	0.79
4	0.01	26.53	0.35	26.30	0.00	26.44	0.51	0.30

Loading Stage (2)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	26.83	0.42	26.80	0.70	26.40	0.60	0.58
1	0.83	26.46	0.82	26.26	0.74	26.21	0.66	0.80
2	1.25	26.27	0.80	26.25	0.81	26.21	0.70	0.81
3	1.67	26.28	0.73	26.21	0.88	26.14	0.66	0.82
4	2.08	26.15	0.81	26.32	0.88	26.26	0.64	0.81





Consulting Engineering Bureau & Laboratories
مكتب بحوث الاستشارات الهندسية

Company Name : East Nile Construction
 Project : El-Dokki Express Train, from El-Dokki Station to Helwan - Helwan Railway Sector (II) - Helwan to Cairo
 Test Date : 24/05/2022
 report date : 25/05/2022
 Location : Station 443+750 to 443+755
 Test No. : 05

Noncompetitive Static Plate Load Tests of Soils
QIN 78134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
			mm		mm		mm	
0	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00
1	0.43	10.00	0.10	10.71	0.10	10.00	0.12	0.10
2	0.85	10.00	0.31	10.00	0.40	10.70	0.34	0.32
3	1.28	10.00	0.64	10.00	0.62	10.00	0.70	0.64
4	1.67	10.42	0.70	10.71	0.83	10.00	0.87	0.78
5	0.38	10.70	0.75	10.71	0.79	10.00	0.78	0.75
6	0.70	10.11	0.85	10.71	0.83	10.00	0.83	0.82

Unloading Stage (1)

Loading	Stress kg/cm ²	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
			mm		mm		mm	
1	0.38	10.11	0.86	10.71	0.83	10.00	0.83	0.83
2	1.25	10.71	0.84	10.71	0.89	10.00	0.88	0.85
3	0.825	10.11	0.85	10.71	0.83	10.00	0.83	0.79
4	0.01	10.71	0.89	10.00	0.84	10.00	0.84	0.85

Loading Stage (2)

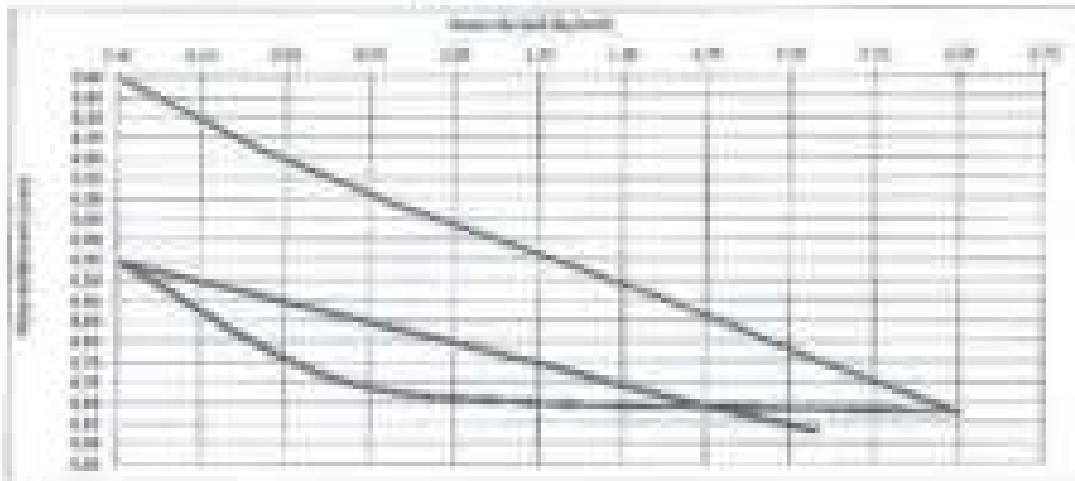
Loading	Stress kg/cm ²	Dist 1	Settlement	Dist 2	Settlement	Dist 3	Settlement	Average
			mm		mm		mm	
0	0.43	10.00	0.57	10.00	0.81	10.71	0.45	0.64
1	0.85	10.00	0.66	10.71	0.89	10.00	0.51	0.82
2	1.28	10.00	0.74	10.71	0.78	10.00	0.88	0.79
3	1.67	10.71	0.83	10.71	0.88	10.00	0.87	0.79
4	2.08	10.00	0.91	10.00	0.95	10.71	0.79	0.87



1. **Account Name**
 2. **Project**
 3. **Task Code**
 4. **Project Name**
 5. **Location**
 6. **Unit No.**

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Hormonal Effects of Prolactin-Like Factors on Cells



Labeling (%)	0	1	2	3	4	5	6
Wagging	0	1,000.00	2,000.00	3,000.00	4,000.00	5,000.00	6,000.00
Shove (Aggressive)	2,000.00	3,000.00	4,000.00	5,000.00	6,000.00	7,000.00	8,000.00
Unlabeled (Aggressive)	2,000.00	3,000.00	4,000.00	5,000.00	6,000.00	7,000.00	8,000.00

Category (US\$)	1	2	3	4
Highly Paid	1000	1000	1000	0
Medium Paid	1000	1000	1000	1000
Low Paid	1000	1000	1000	1000

12/1/2000	12/1/2000	12/1/2000	12/1/2000	12/1/2000	12/1/2000
12/1/2000	12/1/2000	12/1/2000	12/1/2000	12/1/2000	12/1/2000

Location (°)	0	1	2	3	4	5
Height (m)	0	1100.00	2000.0	3000.0	4000.0	5000.0
Time (seconds)	0.00	3.42	6.80	1.25	1.97	2.56
Reflection (mm)	0.00	0.00	0.00	0.75	0.75	0.00

1990	1.00
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β (mm) = 500	β (mm) = 100	200 mm = 0.20	3.0 = 0.20
Total depth = 875 mm		100	

Fig. 4. Methods of information during the loading stage.
Fig. 5. Methods of information during the unloading stage.
 Δ = (2000 mm/sec)
 Δ = (1000 mm/sec)
 Δ = (500 mm/sec)
 Δ = (250 mm/sec)
 Δ = (125 mm/sec)
 Δ = (62.5 mm/sec)
 Δ = (31.25 mm/sec)
 Δ = (15.625 mm/sec)
 Δ = (7.8125 mm/sec)
 Δ = (3.90625 mm/sec)
 Δ = (1.953125 mm/sec)
 Δ = (0.9765625 mm/sec)
 Δ = (0.48828125 mm/sec)
 Δ = (0.244140625 mm/sec)
 Δ = (0.1220703125 mm/sec)
 Δ = (0.06103515625 mm/sec)
 Δ = (0.030517578125 mm/sec)
 Δ = (0.0152587890625 mm/sec)
 Δ = (0.00762939453125 mm/sec)
 Δ = (0.003814697265625 mm/sec)
 Δ = (0.0019073486328125 mm/sec)
 Δ = (0.00095367431640625 mm/sec)
 Δ = (0.000476837158203125 mm/sec)
 Δ = (0.0002384185791015625 mm/sec)
 Δ = (0.00011920928955078125 mm/sec)
 Δ = (0.000059604644775390625 mm/sec)
 Δ = (0.0000298023223876953125 mm/sec)
 Δ = (0.00001490116119384765625 mm/sec)
 Δ = (0.000007450580596923828125 mm/sec)
 Δ = (0.0000037252902984619140625 mm/sec)
 Δ = (0.00000186264514923095703125 mm/sec)
 Δ = (0.000000931322574615478515625 mm/sec)
 Δ = (0.0000004656612873077392578125 mm/sec)
 Δ = (0.00000023283064365386962890625 mm/sec)
 Δ = (0.000000116415321826934814453125 mm/sec)
 Δ = (0.0000000582076609134674072265625 mm/sec)
 Δ = (0.00000002910383045673370361328125 mm/sec)
 Δ = (0.000000014551915228366851806640625 mm/sec)
 Δ = (0.0000000072759576141834259033203125 mm/sec)
 Δ = (0.00000000363797880709171295166015625 mm/sec)
 Δ = (0.000000001818989403545856475830078125 mm/sec)
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 Δ



Company Name : Sun Film Construction
 Project : Marble Tapered Tests, from 4000 tonnes to 2000 tonnes Primary Section (2) - Station to 1000
 Test Date : 20/05/2023
 Report date : 20/05/2023
 Location : Station 400+722 to 400+700
 Test No. : 06

Nondestructive Static Plate Load Tests of Soils QM 18134

Data sheet

Loading Stage (1)

Loading	Stress kg/cm ²	Stat 1	Settlement mm	Stat 2	Settlement mm	Stat 3	Settlement mm	Average
0	0.00	19.00	0.00	19.00	0.00	19.00	0.00	0.00
1	0.42	19.75	0.27	19.40	0.20	19.81	0.29	0.26
2	0.85	19.90	0.49	19.44	0.30	19.77	0.29	0.33
3	1.25	19.45	0.57	19.50	0.50	19.43	0.37	0.48
4	1.67	19.14	0.74	19.39	0.61	19.27	0.56	0.63
5	2.08	19.12	0.89	19.30	0.79	19.34	0.69	0.76
6	2.50	19.00	1.00	19.20	0.84	19.20	0.82	0.90

Unloading Stage (1)

Loading	Stress kg/cm ²	Stat 1	Settlement mm	Stat 2	Settlement mm	Stat 3	Settlement mm	Average
1	2.08	19.00	1.00	19.20	0.84	19.20	0.82	0.90
2	1.25	19.45	0.87	19.31	0.70	19.33	0.72	0.84
3	0.85	19.90	0.60	19.39	0.71	19.30	0.70	0.79
4	0.01	19.75	0.60	19.40	0.45	19.81	0.43	0.51

Loading Stage (2)

Loading	Stress kg/cm ²	Stat 1	Settlement mm	Stat 2	Settlement mm	Stat 3	Settlement mm	Average
0	0.42	19.75	0.27	19.40	0.20	19.80	0.52	0.00
1	0.85	19.90	0.49	19.44	0.30	19.70	0.41	0.07
2	1.25	19.45	0.59	19.50	0.50	19.30	0.49	0.19
3	1.67	19.37	0.83	19.37	0.73	19.30	0.69	0.60
4	2.08	19.30	1.01	19.30	0.81	19.31	0.89	0.90



Ordering Form

Project

Test Title

Report No.

Location

Test No.

New Order Confirmation

Shady Square Tolls, from El Nasr Station to Helwan, National Priority Sector (B) - Shady to Helwan

Reference

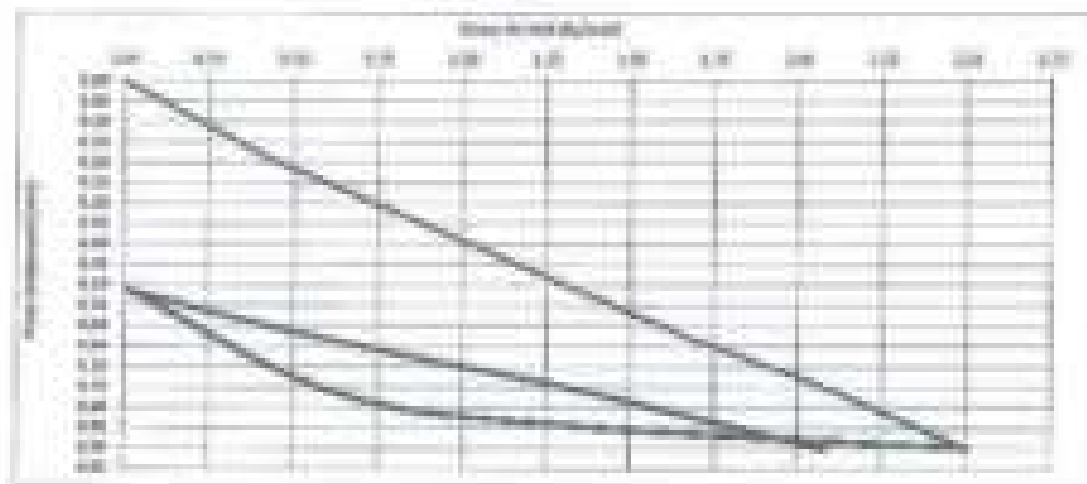
Comments

Quantity: 400 TON to 400 TON

Unit

Horizontal Shear Load Tests of Joints

EN 12516



Loading (kN)	1	2	3	4	5	6
Displacement (mm)	0	1.00	2.00	3.00	4.00	5.00
Force (kN)	0.00	0.40	0.80	1.20	1.60	2.00
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50

Initial Load = 100 kN	Final Load = 100 kN	Settlement = 0.50 mm	Displacement = 5.00 mm
Settlement = 0.50 mm	Displacement = 5.00 mm	Settlement = 0.50 mm	Displacement = 5.00 mm

Loading (kN)	1	2	3	4	5	6
Displacement (mm)	0	1.00	2.00	3.00	4.00	5.00
Force (kN)	0.00	0.40	0.80	1.20	1.60	2.00
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50

Unloading (kN)	1	2	3	4
Displacement (mm)	10.00	10.00	10.00	10.00
Force (kN)	100.00	100.00	100.00	100.00
Settlement (mm)	0.50	0.50	0.50	0.50

Settlement = 0.50 mm	Displacement = 5.00 mm
----------------------	------------------------

Initial Load = 100 kN	Final Load = 100 kN	Settlement = 0.50 mm	Displacement = 5.00 mm
Settlement = 0.50 mm	Displacement = 5.00 mm	Settlement = 0.50 mm	Displacement = 5.00 mm

EN 12516 - Method of information during the loading stage

EN 12516 - Method of information during the unloading stage

EN 12516 - Force (kN)

EN 12516 - The difference between (2) and (1) from the standard loading point (kN)

EN 12516 - Settlement in specimens corresponding to (2) and (1) from the standard loading point



Company Name : San Nile Construction
 Project : El-Dokki Express Train from At-Rai Station to El-Dokki Station Priority Section (B) - Access to Fuda
 Test Date : 24/02/2023
 Report Date : 25/02/2023
 Location : Station 444+700 to 448+775
 Test No. : 07

Noncompetitive Static Plate Load Tests of Dulla

CRN 18134

Date sheet

Loading Stage (1)

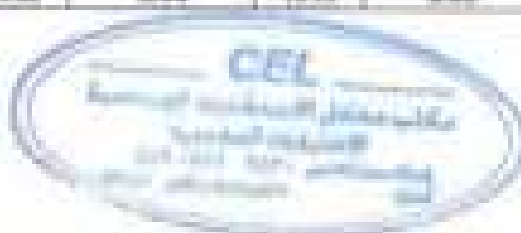
Loading	Stress Kgf/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	19.99	0.00	19.99	0.00	19.99	0.00	0.00
1	0.42	19.99	0.18	19.99	0.18	19.99	0.18	0.18
2	0.83	19.79	0.29	19.79	0.29	19.79	0.29	0.29
3	1.25	19.54	0.37	19.54	0.46	19.52	0.45	0.44
4	1.67	19.33	0.48	19.42	0.58	19.40	0.60	0.58
5	2.09	19.17	0.60	19.29	0.79	19.27	0.79	0.79
6	2.50	19.02	0.78	19.07	0.89	19.02	0.88	0.88

Unloading Stage (1)

Loading	Stress Kgf/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.00	19.22	0.78	19.02	0.82	19.12	0.88	0.80
2	1.59	19.10	0.78	19.02	0.83	19.18	0.84	0.82
3	0.828	19.19	0.87	19.03	0.79	19.19	0.74	0.74
4	0.01	19.02	0.58	19.03	0.47	19.09	0.44	0.43

Loading Stage (2)

Loading	Stress Kgf/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.02	0.18	19.05	0.32	19.40	0.51	0.31
1	0.83	19.03	0.38	19.06	0.44	19.47	0.69	0.31
2	1.25	18.89	0.67	19.27	0.72	19.32	0.88	0.59
3	1.67	18.90	0.78	19.28	0.82	19.33	0.77	0.79
4	2.09	18.18	0.84	19.86	0.88	19.11	0.89	0.88



Dear Sirs (continued):
 Electric Engineers' Tools, from A to Z, Solberg & Morse, Boston; Priority Number (B) - Answer to Page
 100-1000
 100-1000
 Number 100-100 to 100-100
 100

[illegible]

Company Name : East Nile Construction
Project : Greater Cairo Metro, Area A (An Station to Borei - Borei Priority Section (B) - Alnashr to Fikri
Test Date : 24/05/2023
Report date : 25/05/2023
Location : Station 448+775 to 449+000
Test No. : 00

Nondestructive Static Plate Load Tests of Soils QNS 18134

Date sheet

Loading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	16.00	0.00	16.00	0.00	16.00	0.00	0.00
1	0.42	16.26	0.26	16.02	0.02	16.01	0.19	0.16
2	0.83	16.44	0.44	16.17	0.17	16.00	0.20	0.27
3	1.25	16.60	0.60	16.44	0.44	16.51	0.50	0.49
4	1.67	16.74	0.74	16.57	0.57	16.40	0.50	0.58
5	2.09	16.76	0.76	16.50	0.50	16.37	0.73	0.71
6	2.50	16.94	0.94	16.74	0.74	16.22	0.88	0.87

Unloading Stage (1)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.09	16.64	0.64	16.23	0.23	16.13	0.68	0.67
2	1.25	16.38	0.38	16.16	0.16	16.10	0.44	0.40
3	0.83	16.21	0.21	16.06	0.06	16.04	0.26	0.23
4	0.01	16.05	0.05	15.91	0.09	16.04	0.44	0.40

Loading Stage (2)

Loading	Stress Kg/cm ²	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	16.00	0.00	16.12	0.00	16.40	0.00	0.00
1	0.83	16.30	0.30	16.40	0.00	16.40	0.00	0.00
2	1.25	16.41	0.41	16.46	0.00	16.30	0.00	0.00
3	1.67	16.43	0.43	16.27	0.75	16.20	0.00	0.00
4	2.09	16.67	0.67	16.29	0.01	16.09	0.01	0.00



Name: _____
 Address: _____
 City: _____
 State: _____
 Zip: _____

Number of Nodes (N)	Ring Topology (Hops)	Star Topology (Hops)	Mesh Topology (Hops)
1	1	1	1
2	2	1	2
3	3	1	3
4	4	1	4
5	5	1	5
10	10	1	10
20	20	1	20
30	30	1	30
40	40	1	40
50	50	1	50
60	60	1	60
70	70	1	70
80	80	1	80
90	90	1	90
100	100	1	100

Linkending (%)	0	2	12	18
Wages/Eff	0.000	0.000	0.000	0
Wages/PIGrowth	0.000	1.379	0.0000	0.001
Unemployment (year)	0.007	0.003	0.000	0.000

☐ 1	☐ 2
--	--

$\Delta \text{Cost} = \$0$	$\Delta \text{Revenue} = \0	$\Delta \text{Profit} = \$0$
$\Delta \text{Cost} = \$0$	$\Delta \text{Revenue} = \0	$\Delta \text{Profit} = \$0$



Company Name : Han Nam Construction
Project : Cheong Chee Nam Tower, from M. A. Suburban to Airport, Malacca, Priority Sector (S) - Cheong Chee Nam
Test Date : 14/07/2023
Report date : 25/07/2023
Location : Station 400+000-440+025
Test No. : 08

Minnesota Statewide Tests of Skills

Conclusion: The results of this study suggest that the use of a single, standardized, and validated questionnaire is a feasible and reliable method for assessing the prevalence of mental health problems in a community sample.

Learning Objectives

Loading	Stress kg/mm ²	Dist 1	Settlement		Dist 2	Settlement		Dist 3	Settlement		Average
			mm	%		mm	%		mm	%	
0	0.00	0.00	0.00		0.00		0.00		0.00		0.00
1	0.40	10.00	0.11		0.02		0.19		0.21		0.17
2	0.80	20.00	0.20		0.11		0.29		0.36		0.32
3	1.20	30.00	0.40		0.10		0.47		0.53		0.47
4	1.60	40.00	0.60		0.10		0.60		0.70		0.64
5	2.00	50.00	0.80		0.11		0.76		0.80		0.77
6	2.50	60.00	0.80		0.09		0.84		0.90		0.87

Understanding Stage II

Loading	Stress	Dist. 1	Settlement	Dist. 2	Settlement	Dist. 3	Settlement	Average
	kg/cm ²		mm		mm		mm	
1	2.50	25.00	0.02	10.00	0.04	25.00	0.02	0.01
2	5.25	25.25	0.76	10.12	0.88	25.88	0.82	0.80
3	8.075	25.80	0.78	10.18	0.81	26.15	0.85	0.79
4	10.91	26.02	0.82	10.20	0.91	26.17	0.83	0.82

Learning Objectives

Learning	Straw	Dist 1	Sealment	Dist 2	Sealment	Dist 3	Sealment	Average
	HgFound		mm		mm		mm	
0	0.42	25.47	0.07	17.10	0.09	17.37	0.79	0.61
4	0.63	25.39	0.64	19.10	0.07	19.21	0.79	0.69
2	1.28	19.42	0.09	19.19	0.19	17.17	0.86	0.77
3	1.07	25.17	0.79	19.13	0.07	19.09	0.43	0.80
4	2.09	19.14	0.09	17.17	0.09	19.19	1.09	0.79



1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

Company Name
Project
Task Name
Project No.
Location
Task No.

Soil Shear Computation
Shear Capacity: kN/m² Area of Soil Subject to Shear: Maximum Piling Number (N) = Number to Pile
1000/1000
1000/1000
Number: 1000/1000 (m²/m²)
10

Normalative Shear Pile Load Table of Soil
2013/13/13



Loading (T)	1	2	3	4	5	6	7
Shear (kN)	0	1188.94	1340.8	1482.3	1618.4	1749.7	1880
Area (m²)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

1 (mm) = 100	2 (mm) = 100	3 (mm) = 100	4 (mm) = 100	5 (mm) = 100	6 (mm) = 100	7 (mm) = 100
Settlement (mm) = 100/1000	100	100	100	100	100	100

Loading (T)	1	2	3	4	5	6	7
Shear (kN)	0	1188.94	1340.8	1482.3	1618.4	1749.7	1880
Area (m²)	0.00	0.40	0.80	1.20	1.60	2.00	2.40
Settlement (mm)	0.00	0.10	0.20	0.30	0.40	0.50	0.60

1 (mm) = 100	2 (mm) = 100	3 (mm) = 100	4 (mm) = 100	5 (mm) = 100	6 (mm) = 100	7 (mm) = 100
Settlement (mm) = 100/1000	100	100	100	100	100	100

Unloading (T)	1	2	3	4
Shear (kN)	1880	1749.7	1618.4	1482.3
Area (m²)	2.40	2.00	1.60	1.20
Settlement (mm)	0.60	0.50	0.40	0.30

Figure 1: 1.1

1) It is the value of settlement during the loading stage.
2) It is the value of settlement during the unloading stage.
3) It is the value of settlement.
4) It is the difference between 1) and 2) from the maximum loading (mm).
5) It is the difference between 1) and 2) from the maximum loading (mm).



WED. 11

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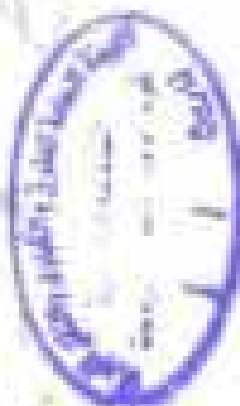
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3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Company Name : Sun Rise
Project : Electric Express Train, from Al Ain Sukhna to Marsa Matruh
Type of sample : Sub-Ballast
Location : St (449+600) : (451+100)
Delivery Date : 26/03/2023
Reporting Date : 03/04/2023
Reporting No. : 62
Sample No. : 04

Dear Gentleman,

Attached herewith the Sub-Ballast delivered on 26/03/2023

Materials test

1. Sieve analysis according to ASTM D-422.
2. Material finer than sieve No. 200 according ASTM D-1140.
3. Liquid limits and plasticity index of soil according to ASTM D-4318.
4. Proctor test according to ASTM D-1557.
5. Specific Gravity & Absorption according to ASTM C-137 & D 6473.
6. CBR according to ASTM D-1883
7. Lin Angle according to ASTM C-131.

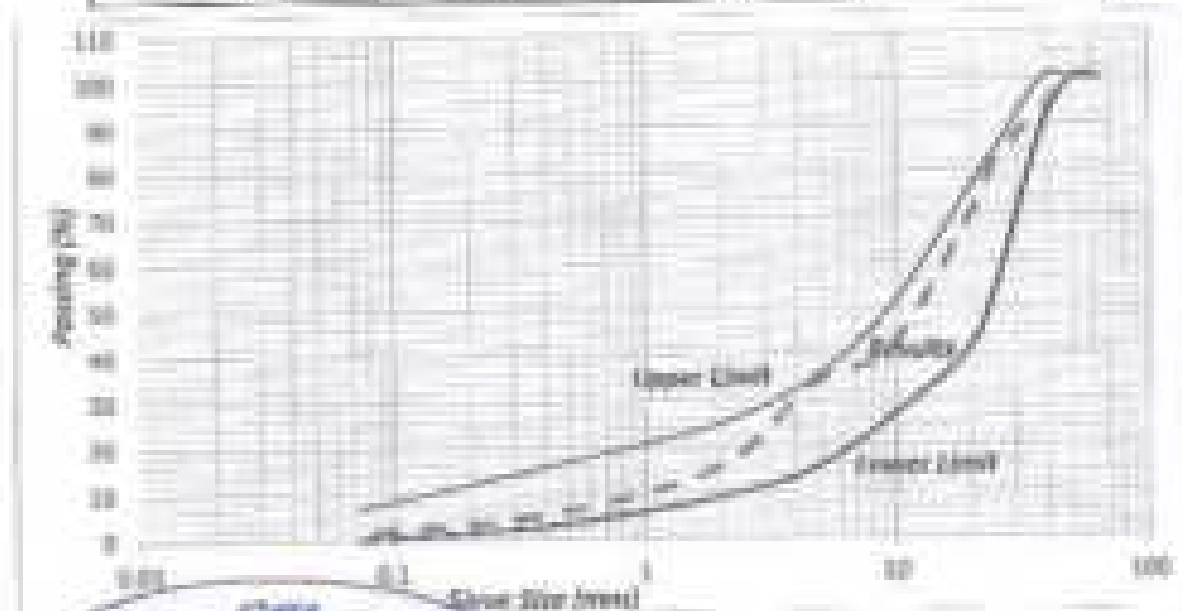
Note: The sample was brought by the client to our laboratory and the laboratory is not responsible for the way it is taken


Signature / 

Company Name : Sun Rise
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matruh
Type of sample : Sub-Ballast
Location : St (449+600) : (451+100)
Delivery Date : 26/03/2023
Reporting Date : 03/04/2023
Reporting No. : 62
Sample No. : 64

Results of sieve analysis according to ASTM D-422

Sieve Size (mm)	Passing %	Job specification limits (ASTM D-422)	
		Min.	Max.
63.5	100	100	100
50	100	100	100
35	95.2	90	100
25	82.4	55	95
19	72.3	40	75
12.5	56.2	-	-
9.5	41.2	30	60
4.75	23.8	15	55
2.00	15.8	8	45
0.425	5.8	3	18
0.075	1.5	0	7



CEL
Consulting Engineering Services & Laboratories
The test results are **Not Comply**
Signature: *[Signature]*

Not Comply) with specification limits.

Company Name : Sun Rise
Project : Electric Express Train, from Al Ain Station to Marina Matruh
Type of sample : Sub-Ballast
Location : St (449+600) : (451+100)
Delivery Date : 26/03/2023
Reporting Date : 03/04/2023
Reporting No. : 63
Sample No. : 84

Materials finer than 75 μ m (no.200) sieve
by washing ASTM D-1140.

Test	Results (%)
Percentage of material finer than Sieve Size 75 μ m (No.200)	1.5

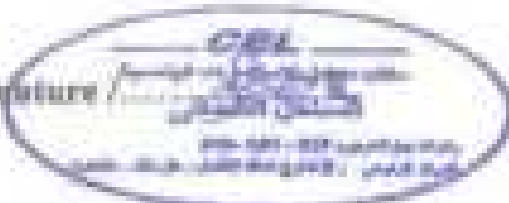
CEL
Consulting Engineering Services & Laboratories
إستشارات الهندسة والخدمات المخبرية

Signature / 
مدير المختبر / مدير المشروع

Company Name : Sun Hine
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matruh
Type of sample : Sub-Ballast
Location : St (449+600) : (451+100)
Delivery Date : 26/03/2023
Reporting Date : 03/04/2023
Reporting No. : 62
Sample No. : 04

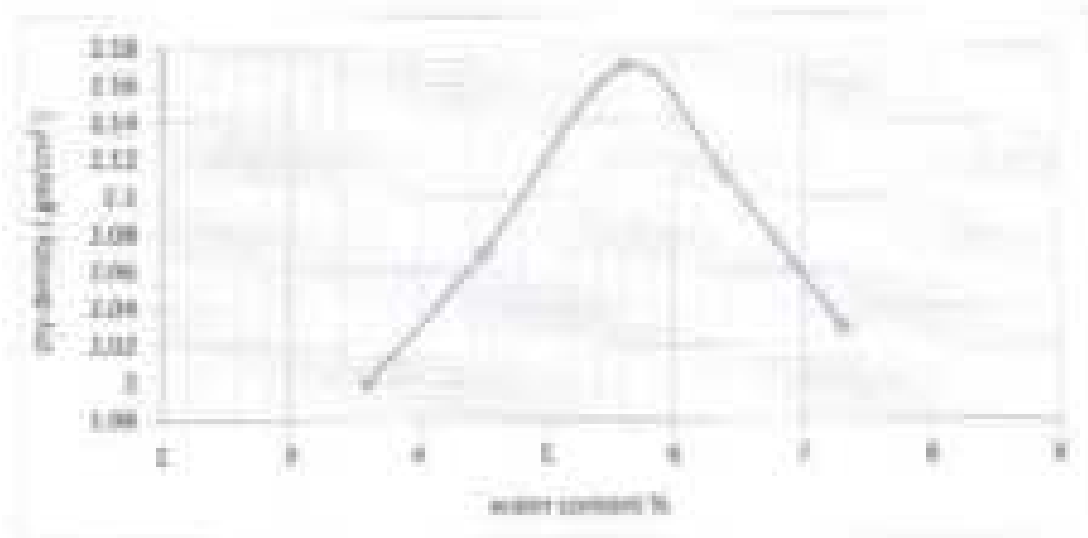
Results of liquid limit and plasticity index of soils according to ASTM D-4318

Test	Results (%)
Liquid Limit	NP
Plastic Limit	NP
Plasticity Index	NP

Signature / 

Company Name : Sun Rise
 Project : Electric Express Train, from Al Ain Sokhna to Maryut Matrouh
 Type of sample : Sub-Ballast
 Location : St (449+600) : (451+100)
 Delivery Date : 26/03/2023
 Reporting Date : 03/04/2023
 Reporting No. : 62
 Sample No. : 04

Moisture – Density relation of soil
Test result (Modified proctor test)
ASTM D-1557



- Max dry density (g/cm³) : 1.17
- Optimum moisture content % : 15.6

Signature

(Handwritten signature and stamp)

Company Name : Sun Rise
Project : Electric Express Train, from Al Ain Soudna to Marsa Matruh
Type of sample : Sub-Ballast
Location : St (449+600) : (452+100)
Delivery Date : 26/03/2023
Reporting Date : 03/04/2023
Reporting No. : 62
Sample No. : 94

Results of Specific Gravity and Absorption of Course Aggregate ASTM C127 & D 6473

Test	Results
Bulk Specific Gravity (OD)	1.53
Bulk Specific Gravity (SSD)	1.55
Apparent Specific Gravity	1.60
Absorption %	2.9

Note:

- (OD) Refer to Oven Dry.
- (SSD) Refer to Saturated Surface Dry.

Signature / 
Engineer / 
مهندس / 

Company Name : Sun Rise
 Project : Electric Express Train, from Al Ain Sukhna to Marsa Matruh
 Type of sample : Sub-Ballast
 Location : St (449+600) : (451+100)
 Delivery Date : 16/03/2023
 Reporting Date : 03/04/2023
 Reporting No. : 63
 Sample No. : 84

Test Results of California Bearing Ratio on Base Materials
ASTM D 1553

penetration		stress on piston (Mpa)
mm	Inch	
0.64	0.025	4.06
1.27	0.050	4.69
1.91	0.075	5.25
2.54	0.100	5.81
3.18	0.125	6.42
3.81	0.150	6.98
4.45	0.175	7.55
5.08	0.200	8.11
5.71	0.225	8.67
6.35	0.250	9.23

CBR Result	Stress (Mpa)		CBR %
At 1.27 inch (3.18 mm) penetration	St. Value	Sample results	84.2
	6.98	5.81	

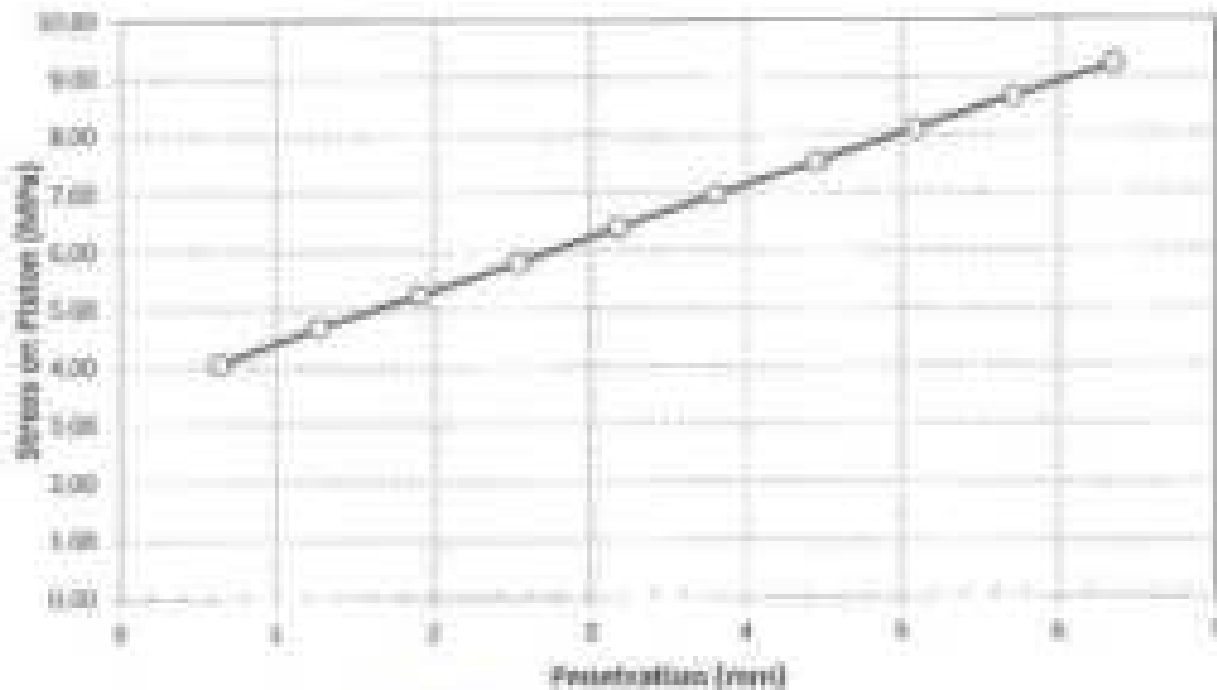
Notes:

- 1- Attached graph shows penetration resistance versus penetration magnitude.
- 2- The sample was compacted to dry density of 2.17 (gm/cm³) at 95% optimum water content.
- 3- Test temperature of 25°C.

Signature: 

Company Name : San Rho
Project : Electric Express Train, from Al Ain Sokhas to Marxa Matruh
Type of sample : Sub-Ballast
Location : St (449+600) - (451+100)
Delivery Date : 16/03/2023
Reporting Date : 03/04/2023
Reporting No. : 62
Sample No. : 64

Load Penetration Curve of CBR Test ASTM D-1883



Signature: 

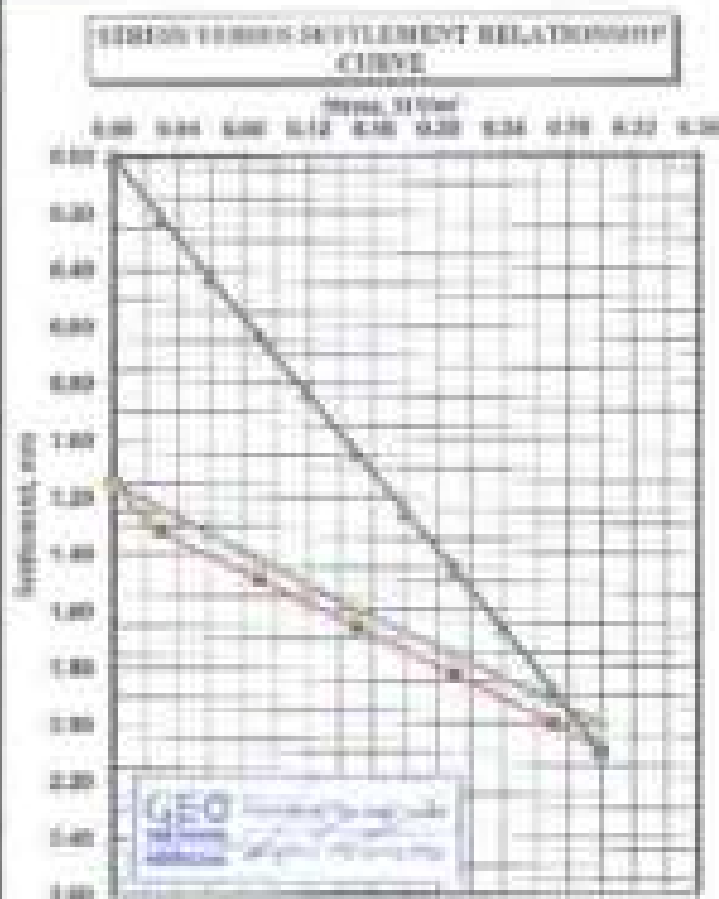


Plate Load Tests of Soils (SPT, SPT)

CLIENT: Top Plus Company
PROJECT: Electric Express Train
LOCATION: Al-Jadida (SPT) - SPT subject
PLATE DIMENSION: 300
PLATE HEIGHT: 100
TYPE OF SOIL: GRAVEL, with 10% sand fine

TEST NAME: SPT
TEST NUMBER: SPT-01
NOTE: 1 day 20
LAB. RES: 0000
10. Name: Soil in Wet

Soil Stress	Settlement
0.00	0.00
0.05	0.20
0.10	0.40
0.15	0.60
0.20	0.80
0.25	1.00
0.30	1.20
0.35	1.40
0.40	1.60
0.45	1.80
0.50	2.00
0.55	2.20
0.60	2.40
0.65	2.60
0.70	2.80
0.75	3.00
0.80	3.20
0.85	3.40
0.90	3.60
0.95	3.80
1.00	4.00
1.05	4.20
1.10	4.40
1.15	4.60
1.20	4.80
1.25	5.00
1.30	5.20
1.35	5.40
1.40	5.60
1.45	5.80
1.50	6.00
1.55	6.20
1.60	6.40
1.65	6.60
1.70	6.80
1.75	7.00
1.80	7.20
1.85	7.40
1.90	7.60
1.95	7.80
2.00	8.00
2.05	8.20
2.10	8.40
2.15	8.60
2.20	8.80
2.25	9.00
2.30	9.20
2.35	9.40
2.40	9.60
2.45	9.80
2.50	10.00



STRAIN MODULUS, E_v

	1st loading	2nd loading
E_{v1}	0.20	0.20
E_{v2} [mm(MPa/m²)]	6.743	3.117
E_{v3} [mm(MPa/m²)]	0.571	0.55
E_v [MPa/m²]	81.4	100.5
E_{v4} [m]	2.44	

Remarks

- 1. Loading plate diameter 300mm
- 2. The test was performed at 100 kN
- 3. The test was performed at 100 kN
- 4. The test was performed at 100 kN
- 5. The test was performed at 100 kN
- 6. The test was performed at 100 kN
- 7. The test was performed at 100 kN
- 8. The test was performed at 100 kN
- 9. The test was performed at 100 kN
- 10. The test was performed at 100 kN

MODULUS OF SUB-GRADE REACTION, K_a

$K_a = A_{v1} \times E_{v1}$ 142.4 MPa/m³

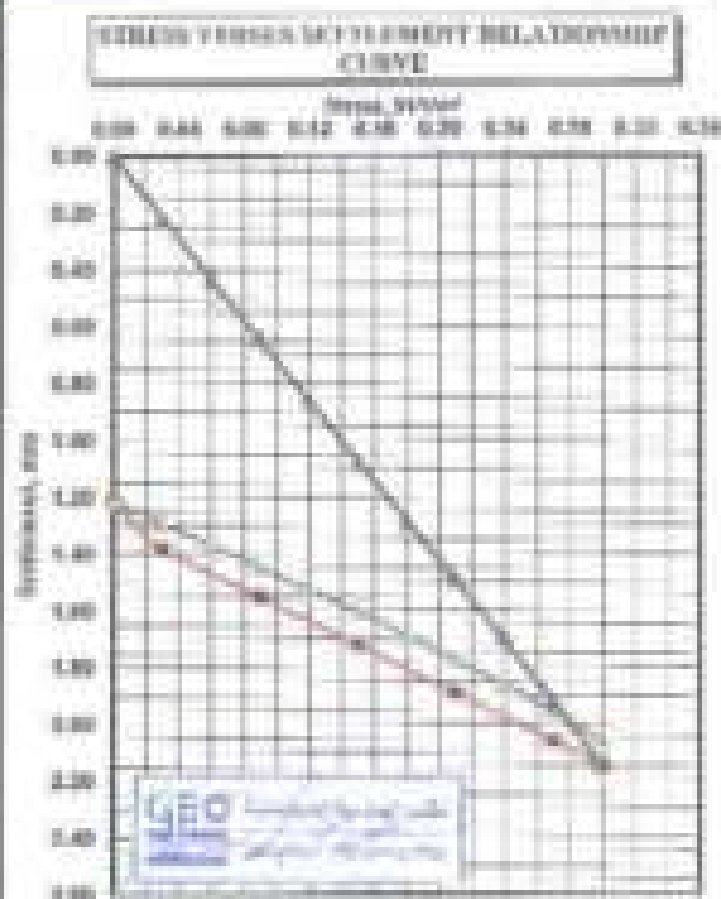


Plate Load Tests of Soils
(DM 0024)

CLIENT: **Sea-Rise Company**
PROJECT: **Electric Express Train**
LOCATION: **Al-Jadida (Haram) - DM subject**
PLATE DIAMETER: **300**
PLATE THICKNESS (mm): **25.00**
TYPE OF SOIL: **GRAVELL and SAND (very fine)**

TEST NAME: **Load test**
TEST NUMBER: **000100**
DATE: **1 Aug 2017**
LAB. NO.: **00001**
** Note : Soil in Wet

Stress, σ (kPa)	Settlement, s (mm)
0.00	0.00
0.03	0.23
0.06	0.44
0.10	0.66
0.13	0.86
0.17	1.08
0.19	1.26
0.21	1.40
0.24	1.55
0.27	1.66
0.30	2.15
0.33	2.38
0.37	1.88
0.40	1.70
0.44	1.60
0.50	1.38
0.55	1.21
0.60	1.25
0.66	1.27
0.68	1.45
0.73	1.50
0.78	1.60
0.83	1.66
0.88	1.75
0.94	1.88
0.97	1.96
0.99	2.08



STRAIN MODULUS, E_v

	1 st loading	2 nd loading
σ_{Dmax}	0.30	0.30
a_1 [mm(MPa $^{1/2}$)]	8.504	2.445
a_2 [mm(MPa $^{1/2}$)]	0.088	1.171
E_v [MPa]	78.8	200.9
E_{v2}/E_{v1}	2.55	

Remarks:

- 1- The test was conducted in the field.
- 2- The test was conducted in the field.
- 3- The test was conducted in the field.
- 4- The test was conducted in the field.
- 5- The test was conducted in the field.
- 6- The test was conducted in the field.
- 7- The test was conducted in the field.
- 8- The test was conducted in the field.
- 9- The test was conducted in the field.
- 10- The test was conducted in the field.

MODULUS OF SUB-GRADE REACTION, K_a

$K_a = \sigma / s$ 130.3 MPa/m²



Plate Load Tests of Soils
2023/2024

CLIENT: Sea Max Company
PROJECT: Electric Pumps Tests
LOCATION: Al-Jadida (200m SW) - 075 category
PLATE DIMENSION: 300x300
PLATE WEIGHT (kg): 7500
TYPE OF SOIL: GRAVEL and SAND, loose form

TEST START: 10:00 AM
TEST FINISH: 11:00 PM
DATE: 1 Sept 21
L.A. REP: 0000
**** Note: Soil is Wet**

Stress kPa ²	Settlement mm
0.00	0.00
0.05	0.20
0.10	0.40
0.20	0.60
0.30	0.80
0.40	1.00
0.50	1.20
0.60	1.40
0.70	1.60
0.80	1.80
0.90	2.00
1.00	2.10
1.20	1.90
1.40	1.60
1.60	1.40
1.80	1.20
2.00	1.00
2.20	0.80
2.40	0.60
2.60	0.40
2.80	0.20
3.00	0.00



STRAIN MODULUS, E_v

	1 st loading	2 nd loading
$C_{D50\%}$	0.30	0.30
a_1 [mm/(MN/m ²)]	0.408	0
a_2 [mm/(MN/m ²)]	1.003	0
E_v [MN/m ²]	80.8	187.5
$E_{v(50\%)}$	2.21	

Remarks:

- 1. The test was conducted on a wet soil.
- 2. The test was conducted on a loose soil.
- 3. The test was conducted on a loose soil.
- 4. The test was conducted on a loose soil.
- 5. The test was conducted on a loose soil.
- 6. The test was conducted on a loose soil.
- 7. The test was conducted on a loose soil.
- 8. The test was conducted on a loose soil.
- 9. The test was conducted on a loose soil.
- 10. The test was conducted on a loose soil.

MODULUS OF SUB-GRADE REACTION, k_a

$k_a = 1.7 \text{ kN/cm}^2$ 144.0 MN/m^3

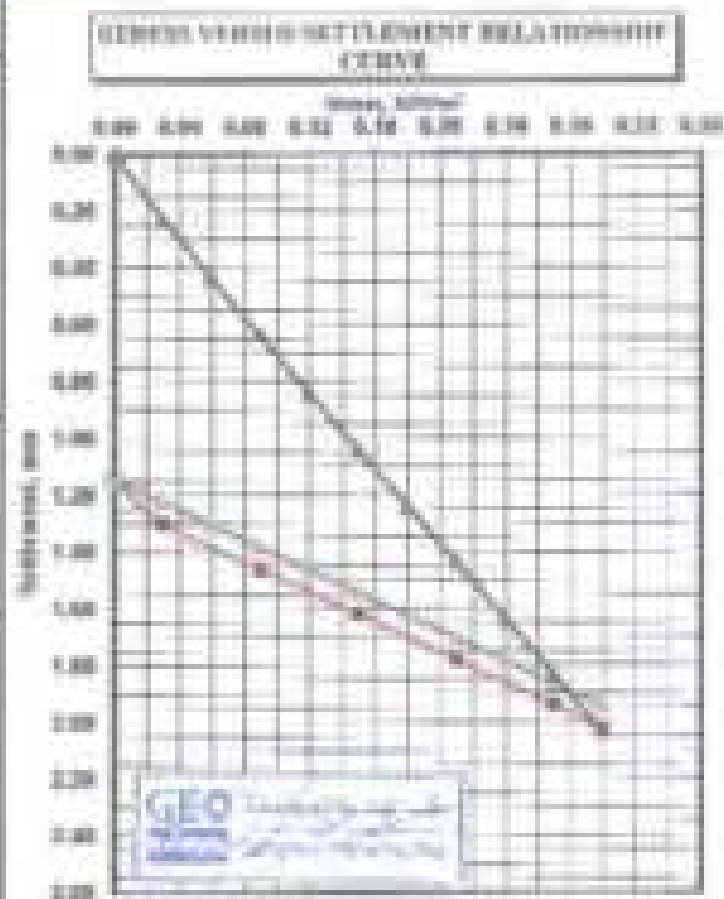


Plate Load Tests of Soils
10/5/1334

CLIENT: **San Nisa Company**
PROJECT: **Eastern Express Train**
LOCATION: **Station 1000170 - 1000 subject**
FLY: **FLY**
FLY DIAMETER (mm): **7500**
TYPE OF SOIL: **SANDY and SILTY sand zone**

TIME START: **12:00 PM**
TIME FINISH: **1:00 PM**
DATE: **1 Apr 22**
LAB. REF.: **1000**
** Name : Soil 10/04

Force kN/m ²	Settlement mm
0.00	0.00
0.02	0.23
0.05	0.46
0.08	0.69
0.12	0.92
0.15	1.15
0.18	1.38
0.21	1.61
0.24	1.84
0.27	2.07
0.30	2.30
0.27	1.84
0.21	1.70
0.15	1.02
0.08	1.00
0.02	1.00
0.00	1.25
0.00	1.21
0.00	1.20
0.10	1.41
0.15	1.60
0.20	1.80
0.21	1.71
0.24	1.70
0.27	1.87
0.30	1.80



STRAIN MODULUS, E_v

	1st loading	2nd loading
Force	0.30	0.30
A_v [mm(MPa/m ²)]	6.975	3.70
B_v [mm(MPa/m ²)]	0.943	-0.246
E_v [MPa/m ²]	84.1	208.4
E_{avg}	2.49	

Remarks

1. During the test, the soil was in a state of equilibrium.
2. The test was conducted in a standard manner.
3. The test results are in good agreement with the theoretical values.
4. The test results are in good agreement with the theoretical values.
5. The test results are in good agreement with the theoretical values.
6. The test results are in good agreement with the theoretical values.

MODULUS OF SUB-GRADE REACTION, K_s

$K_s = \frac{E_v}{h} = \frac{84.1}{0.034} = 2472 \text{ MPa/m}^2$



Plate Load Tests of Soils
JDS 13134

CLIENT Sea Rize Company
PROJECT Eastern Express Train
LOCATION Al-Jadida (1st Phase) - 400' subgrade
PLATE LOAD NO. PL-1
PLATE DIAMETER (mm) 75.00
TYPE OF SOIL GRAVEL and SAND, coarse Sand

TEST DATE 2019/04
TEST NUMBER 400-100
SOIL 1st Phase - Sub to 100'
LAB. REP. 00002
BY Hossam A. Said

Force, kN/cm ²	Settlement mm
0.00	0.00
0.02	0.20
0.05	0.45
0.10	0.80
0.15	0.95
0.20	1.20
0.25	1.40
0.30	1.60
0.35	1.80
0.40	2.00
0.45	2.20
0.50	2.40
0.55	2.60
0.60	2.80
0.65	3.00
0.70	3.20
0.75	3.40
0.80	3.60
0.85	3.80
0.90	4.00
0.95	4.20
1.00	4.40
1.05	4.60
1.10	4.80
1.15	5.00
1.20	5.20
1.25	5.40
1.30	5.60
1.35	5.80
1.40	6.00
1.45	6.20
1.50	6.40
1.55	6.60
1.60	6.80
1.65	7.00
1.70	7.20
1.75	7.40
1.80	7.60
1.85	7.80
1.90	8.00
1.95	8.20
2.00	8.40
2.05	8.60
2.10	8.80
2.15	9.00
2.20	9.20
2.25	9.40
2.30	9.60
2.35	9.80
2.40	10.00
2.45	10.20
2.50	10.40
2.55	10.60
2.60	10.80
2.65	11.00
2.70	11.20
2.75	11.40
2.80	11.60
2.85	11.80
2.90	12.00
2.95	12.20
3.00	12.40
3.05	12.60
3.10	12.80
3.15	13.00
3.20	13.20
3.25	13.40
3.30	13.60
3.35	13.80
3.40	14.00
3.45	14.20
3.50	14.40
3.55	14.60
3.60	14.80
3.65	15.00
3.70	15.20
3.75	15.40
3.80	15.60
3.85	15.80
3.90	16.00
3.95	16.20
4.00	16.40
4.05	16.60
4.10	16.80
4.15	17.00
4.20	17.20
4.25	17.40
4.30	17.60
4.35	17.80
4.40	18.00
4.45	18.20
4.50	18.40
4.55	18.60
4.60	18.80
4.65	19.00
4.70	19.20
4.75	19.40
4.80	19.60
4.85	19.80
4.90	20.00
4.95	20.20
5.00	20.40
5.05	20.60
5.10	20.80
5.15	21.00
5.20	21.20
5.25	21.40
5.30	21.60
5.35	21.80
5.40	22.00
5.45	22.20
5.50	22.40
5.55	22.60
5.60	22.80
5.65	23.00
5.70	23.20
5.75	23.40
5.80	23.60
5.85	23.80
5.90	24.00
5.95	24.20
6.00	24.40
6.05	24.60
6.10	24.80
6.15	25.00
6.20	25.20
6.25	25.40
6.30	25.60
6.35	25.80
6.40	26.00
6.45	26.20
6.50	26.40
6.55	26.60
6.60	26.80
6.65	27.00
6.70	27.20
6.75	27.40
6.80	27.60
6.85	27.80
6.90	28.00
6.95	28.20
7.00	28.40
7.05	28.60
7.10	28.80
7.15	29.00
7.20	29.20
7.25	29.40
7.30	29.60
7.35	29.80
7.40	30.00
7.45	30.20
7.50	30.40
7.55	30.60
7.60	30.80
7.65	31.00
7.70	31.20
7.75	31.40
7.80	31.60
7.85	31.80
7.90	32.00
7.95	32.20
8.00	32.40
8.05	32.60
8.10	32.80
8.15	33.00
8.20	33.20
8.25	33.40
8.30	33.60
8.35	33.80
8.40	34.00
8.45	34.20
8.50	34.40
8.55	34.60
8.60	34.80
8.65	35.00
8.70	35.20
8.75	35.40
8.80	35.60
8.85	35.80
8.90	36.00
8.95	36.20
9.00	36.40
9.05	36.60
9.10	36.80
9.15	37.00
9.20	37.20
9.25	37.40
9.30	37.60
9.35	37.80
9.40	38.00
9.45	38.20
9.50	38.40
9.55	38.60
9.60	38.80
9.65	39.00
9.70	39.20
9.75	39.40
9.80	39.60
9.85	39.80
9.90	40.00
9.95	40.20
10.00	40.40
10.05	40.60
10.10	40.80
10.15	41.00
10.20	41.20
10.25	41.40
10.30	41.60
10.35	41.80
10.40	42.00
10.45	42.20
10.50	42.40
10.55	42.60
10.60	42.80
10.65	43.00
10.70	43.20
10.75	43.40
10.80	43.60
10.85	43.80
10.90	44.00
10.95	44.20
11.00	44.40
11.05	44.60
11.10	44.80
11.15	45.00
11.20	45.20
11.25	45.40
11.30	45.60
11.35	45.80
11.40	46.00
11.45	46.20
11.50	46.40
11.55	46.60
11.60	46.80
11.65	47.00
11.70	47.20
11.75	47.40
11.80	47.60
11.85	47.80
11.90	48.00
11.95	48.20
12.00	48.40
12.05	48.60
12.10	48.80
12.15	49.00
12.20	49.20
12.25	49.40
12.30	49.60
12.35	49.80
12.40	50.00
12.45	50.20
12.50	50.40
12.55	50.60
12.60	50.80
12.65	51.00
12.70	51.20
12.75	51.40
12.80	51.60
12.85	51.80
12.90	52.00
12.95	52.20
13.00	52.40
13.05	52.60
13.10	52.80
13.15	53.00
13.20	53.20
13.25	53.40
13.30	53.60
13.35	53.80
13.40	54.00
13.45	54.20
13.50	54.40
13.55	54.60
13.60	54.80
13.65	55.00
13.70	55.20
13.75	55.40
13.80	55.60
13.85	55.80
13.90	56.00
13.95	56.20
14.00	56.40
14.05	56.60
14.10	56.80
14.15	57.00
14.20	57.20
14.25	57.40
14.30	57.60
14.35	57.80
14.40	58.00
14.45	58.20
14.50	58.40
14.55	58.60
14.60	58.80
14.65	59.00
14.70	59.20
14.75	59.40
14.80	59.60
14.85	59.80
14.90	60.00
14.95	60.20
15.00	60.40
15.05	60.60
15.10	60.80
15.15	61.00
15.20	61.20
15.25	61.40
15.30	61.60
15.35	61.80
15.40	62.00
15.45	62.20
15.50	62.40
15.55	62.60
15.60	62.80
15.65	63.00
15.70	63.20
15.75	63.40
15.80	63.60
15.85	63.80
15.90	64.00
15.95	64.20
16.00	64.40
16.05	64.60
16.10	64.80
16.15	65.00
16.20	65.20
16.25	65.40
16.30	65.60
16.35	65.80
16.40	66.00
16.45	66.20
16.50	66.40
16.55	66.60
16.60	66.80
16.65	67.00
16.70	67.20
16.75	67.40
16.80	67.60
16.85	67.80
16.90	68.00
16.95	68.20
17.00	68.40
17.05	68.60
17.10	68.80
17.15	69.00
17.20	69.20
17.25	69.40
17.30	69.60
17.35	69.80
17.40	70.00
17.45	70.20
17.50	70.40
17.55	70.60
17.60	70.80
17.65	71.00
17.70	71.20
17.75	71.40
17.80	71.60
17.85	71.80
17.90	72.00
17.95	72.20
18.00	72.40
18.05	72.60
18.10	72.80
18.15	73.00
18.20	73.20
18.25	73.40
18.30	73.60
18.35	73.80
18.40	74.00
18.45	74.20
18.50	74.40
18.55	74.60
18.60	74.80
18.65	75.00
18.70	75.20
18.75	75.40
18.80	75.60
18.85	75.80
18.90	76.00
18.95	76.20
19.00	76.40
19.05	76.60
19.10	76.80
19.15	77.00
19.20	77.20
19.25	77.40
19.30	77.60
19.35	77.80
19.40	78.00
19.45	78.20
19.50	78.40
19.55	78.60
19.60	78.80
19.65	79.00
19.70	79.20
19.75	79.40
19.80	79.60
19.85	79.80
19.90	80.00
19.95	80.20
20.00	80.40
20.05	80.60
20.10	80.80
20.15	81.00
20.20	81.20
20.25	81.40
20.30	81.60
20.35	81.80
20.40	82.00
20.45	82.20
20.50	82.40
20.55	82.60
20.60	82.80
20.65	83.00
20.70	83.20
20.75	83.40
20.80	83.60
20.85	83.80
20.90	84.00
20.95	84.20
21.00	84.40
21.05	84.60
21.10	84.80
21.15	85.00
21.20	85.20
21.25	85.40
21.30	85.60
21.35	85.80
21.40	86.00
21.45	86.20
21.50	86.40
21.55	86.60
21.60	86.80
21.65	87.00
21.70	87.20
21.75	87.40
21.80	87.60
21.85	87.80
21.90	88.00
21.95	88.20
22.00	88.40
22.05	88.60
22.10	88.80
22.15	89.00
22.20	89.20
22.25	89.40
22.30	89.60
22.35	89.80
22.40	90.00
22.45	90.20
22.50	90.40
22.55	90.60
22.60	90.80
22.65	91.00
22.70	91.20
22.75	91.40
22.80	91.60
22.85	91.80
22.90	92.00
22.95	92.20
23.00	92.40
23.05	92.60
23.10	92.80
23.15	93.00
23.20	93.20
23.25	93.40
23.30	93.60
23.35	93.80
23.40	94.00
23.45	94.20
23.50	94.40
23.55	94.60
23.60	94.80
23.65	95.00
23.70	95.20
23.75	95.40
23.80	95.60
23.85	95.80
23.90	96.00
23.95	96.20
24.00	96.40
24.05	96.60
24.10	96.80
24.15	97.00
24.20	97.20
24.25	97.40
24.30	97.60
24.35	97.80
24.40	98.00
24.45	98.20
24.50	98.40
24.55	98.60
24.60	98.80
24.65	99.00
24.70	99.20
24.75	99.40
24.80	99.60
24.85	99.80
24.90	100.00
24.95	100.20
25.00	100.40
25.05	100.60
25.10	100.80
25.15	101.00
25.20	101.20
25.25	101.40
25.30	101.60
25.35	101.80
25.40	102.00
25.45	102.20
25.50	102.40
25.55	102.60

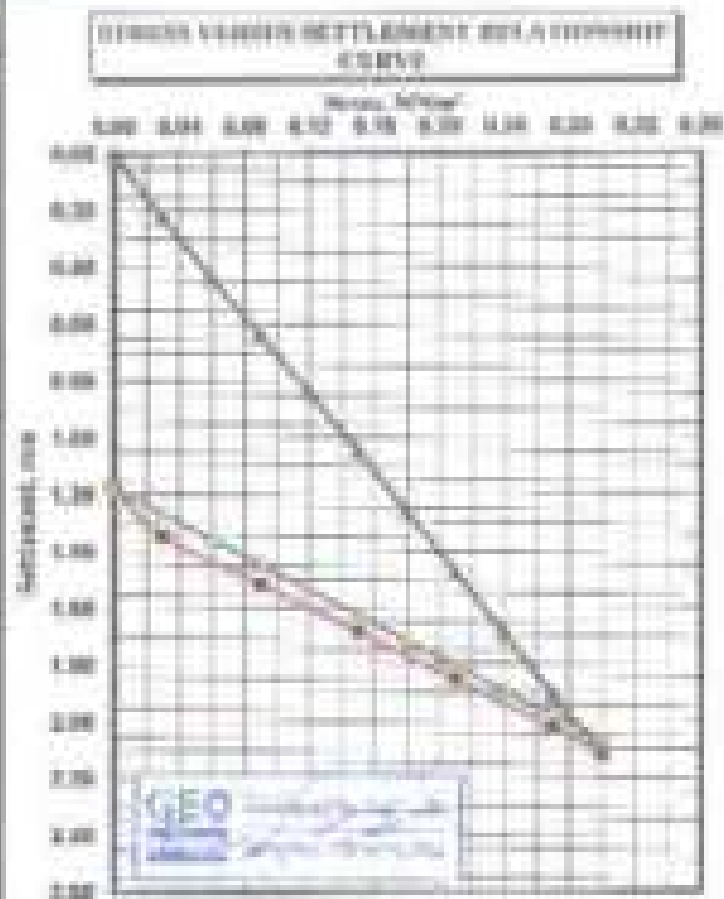


Plate Load Tests of Soils
005.13124

CLIENT: Suez Canal Company
PROJECT: Electrical & power Train
LOCATION: Al-Jadida (Heliport) - 400 m depth
PLATE DIMEN: PL 15
PLATE DIAMETER (cm): 30.00
TYPE OF SOIL: CLAYEY sand & SAND, coarse Sand

TIME START: 00:00:00
TIME FINISH: 00:00:00
DATE: 1-Apr-22
LAB. REF: 0000
BY: Nasser I. Said Ismail

Stress MPa	Settlement mm
0.00	0.00
0.02	0.22
0.05	0.46
0.08	0.64
0.12	0.84
0.15	1.00
0.18	1.20
0.21	1.40
0.24	1.60
0.27	1.81
0.30	2.02
0.27	2.02
0.21	1.80
0.15	1.60
0.08	1.02
0.05	1.00
0.00	1.18
0.02	1.27
0.05	1.50
0.08	1.65
0.10	1.84
0.15	1.65
0.20	1.73
0.21	1.81
0.28	1.95
0.37	1.90
0.50	2.05



STRAIN MODULUS, E_v

	1 st loading	2 nd loading
σ_{pen}	0.30	0.30
s_p [mm(MPa ⁻¹)]	0.683	3.000
s_r [mm(MPa ⁻¹)]	1.012	0.434
E_v [MPa]	85.3	100.4
E_{avg}	2.36	

Remarks:

1. Linear curve drawn at 10 mm
2. Non-linear curve drawn at 10 mm
3. The average value of the linear curve is used for the design
4. The average value of the non-linear curve is used for the design
5. The average value of the linear curve is used for the design
6. The average value of the non-linear curve is used for the design

MODULUS OF SUB-GRADE REACTION, K_n

$K_n = \frac{E_v}{s_p} = \frac{85.3}{0.683} = 124.8 \text{ MPa/m}^3$

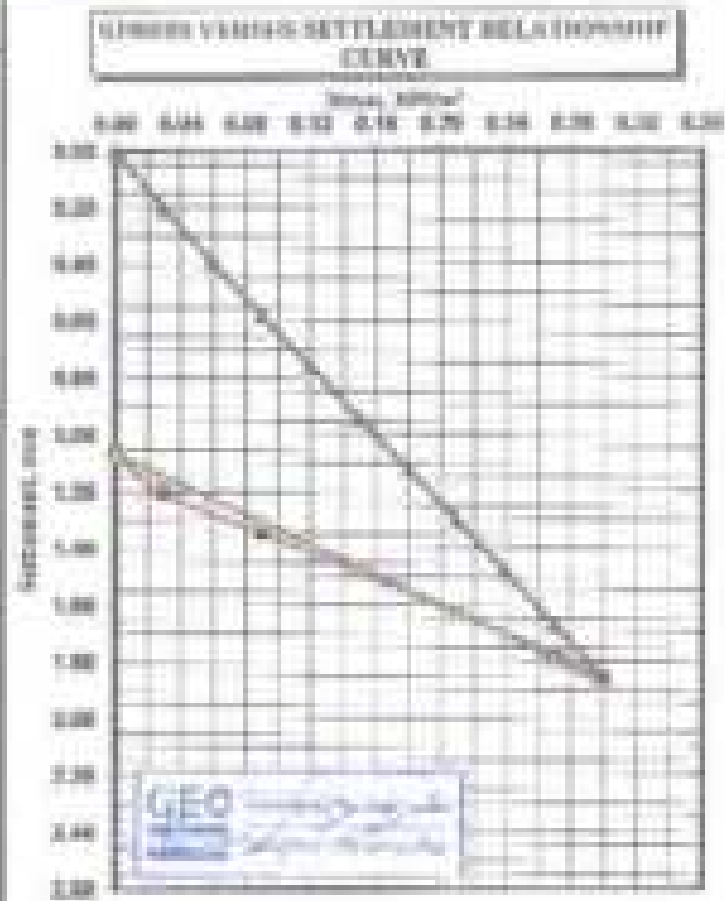


Plate Load Tests of Soils
10/5/1334

CLIENT: Shad-Roo Company
PROJECT: Electrical Expansion Tests
LOCATION: at Shad-Roo (14000) - 47% subgrade
PLATE LOAD NO. PLT-7
PLATE DIAMETER (mm) 75.00
TYPE OF SOIL: CLAYEY, and SANDY, coarse sand

TEST START: 10/5/1334
TEST FINISH: 10/5/1334
DATE: 1 Aug 13
LAB. REF: 0000
**** Note: Soil is Wet**

Stress kg/cm ²	Settlement mm
0.00	0.00
0.05	0.21
0.10	0.30
0.20	0.40
0.32	0.70
0.50	0.80
0.75	1.10
0.93	1.20
0.99	1.40
0.97	1.57
0.70	1.80
0.27	1.77
0.21	1.65
0.10	1.40
0.06	1.20
0.00	1.01
0.00	1.15
0.00	1.23
0.00	1.31
0.10	1.47
0.10	1.50
0.21	1.65
0.20	1.71
0.27	1.80
0.50	1.80



STRAIN MODULUS, E_v

	1st loading	2nd loading
Q _{max}	0.30	0.30
a ₁ [mm(MPa ⁻¹)]	0.040	2.519
a ₂ [mm(MPa ⁻¹)]	0.000	0.000
E _v [MPa]	82.4	398.7
E _{av} (1)	2.20	

Remarks:

1. The test was conducted at 100 mm.
2. The test was conducted at 100 mm.
3. The test was conducted at 100 mm.
4. The test was conducted at 100 mm.
5. The test was conducted at 100 mm.
6. The test was conducted at 100 mm.
7. The test was conducted at 100 mm.
8. The test was conducted at 100 mm.
9. The test was conducted at 100 mm.
10. The test was conducted at 100 mm.

MODULUS OF SUB-GRADE REACTION, K_a

K_a = 30/20 = 150.0 MPa/m³



Plate Load Tests of Soils
ٻڌڻ ٻڌڻ

CLIENT: Sea River Company
PROJECT: Electric Supermarket
LOCATION: At Datta (400' N) - 725' - 100' side
FLAT LAMIN: R27
PLATE DIAMETER (mm): 7500
TYPE OF SOIL: SILTY CLAY and SANDY SILT

TIME FRAME: 2020-2021
TIME PERIOD: 10-11-2020
DATE: 10-11-2020
LAB. REP.: 0000
11. Name of Soil in MVD





Plate Load Tests of Soils
0011211

CLIENT: Suez Canal Company
PROJECT: El-Dokki Express Trade
LOCATION: Al-Dokki (KMT) - 100 m depth
PLAYING NO. 01-010
PLATE DIMENSION (mm) 300
TYPE OF SOIL: GRAVEL and SAND, very fine

TIME TAKEN: 10:00 AM
TIME TAKEN: 10:00 AM
DATE: 1-10-20
LAB. REP.: 0000
BY: (Name & Seal is Here)

Stress, N/mm^2	Settlement, mm
0.00	0.00
0.01	0.20
0.02	0.40
0.03	0.60
0.04	0.80
0.05	1.00
0.06	1.20
0.07	1.40
0.08	1.60
0.09	1.80
0.10	2.00
0.20	3.00
0.30	4.00
0.40	5.00
0.50	6.00
0.60	7.00
0.70	8.00
0.80	9.00
0.90	10.00
1.00	11.00
1.20	12.00
1.40	13.00
1.60	14.00
1.80	15.00
2.00	16.00
2.20	17.00
2.40	18.00
2.60	19.00
2.80	20.00
3.00	21.00
3.20	22.00
3.40	23.00
3.60	24.00
3.80	25.00
4.00	26.00
4.20	27.00
4.40	28.00
4.60	29.00
4.80	30.00
5.00	31.00
5.20	32.00
5.40	33.00
5.60	34.00
5.80	35.00
6.00	36.00
6.20	37.00
6.40	38.00
6.60	39.00
6.80	40.00
7.00	41.00
7.20	42.00
7.40	43.00
7.60	44.00
7.80	45.00
8.00	46.00
8.20	47.00
8.40	48.00
8.60	49.00
8.80	50.00
9.00	51.00
9.20	52.00
9.40	53.00
9.60	54.00
9.80	55.00
10.00	56.00
10.20	57.00
10.40	58.00
10.60	59.00
10.80	60.00
11.00	61.00
11.20	62.00
11.40	63.00
11.60	64.00
11.80	65.00
12.00	66.00
12.20	67.00
12.40	68.00
12.60	69.00
12.80	70.00
13.00	71.00
13.20	72.00
13.40	73.00
13.60	74.00
13.80	75.00
14.00	76.00
14.20	77.00
14.40	78.00
14.60	79.00
14.80	80.00
15.00	81.00
15.20	82.00
15.40	83.00
15.60	84.00
15.80	85.00
16.00	86.00
16.20	87.00
16.40	88.00
16.60	89.00
16.80	90.00
17.00	91.00
17.20	92.00
17.40	93.00
17.60	94.00
17.80	95.00
18.00	96.00
18.20	97.00
18.40	98.00
18.60	99.00
18.80	100.00
19.00	101.00
19.20	102.00
19.40	103.00
19.60	104.00
19.80	105.00
20.00	106.00
20.20	107.00
20.40	108.00
20.60	109.00
20.80	110.00
21.00	111.00
21.20	112.00
21.40	113.00
21.60	114.00
21.80	115.00
22.00	116.00
22.20	117.00
22.40	118.00
22.60	119.00
22.80	120.00
23.00	121.00
23.20	122.00
23.40	123.00
23.60	124.00
23.80	125.00
24.00	126.00
24.20	127.00
24.40	128.00
24.60	129.00
24.80	130.00
25.00	131.00
25.20	132.00
25.40	133.00
25.60	134.00
25.80	135.00
26.00	136.00
26.20	137.00
26.40	138.00
26.60	139.00
26.80	140.00
27.00	141.00
27.20	142.00
27.40	143.00
27.60	144.00
27.80	145.00
28.00	146.00
28.20	147.00
28.40	148.00
28.60	149.00
28.80	150.00
29.00	151.00
29.20	152.00
29.40	153.00
29.60	154.00
29.80	155.00
30.00	156.00
30.20	157.00
30.40	158.00
30.60	159.00
30.80	160.00
31.00	161.00
31.20	162.00
31.40	163.00
31.60	164.00
31.80	165.00
32.00	166.00
32.20	167.00
32.40	168.00
32.60	169.00
32.80	170.00
33.00	171.00
33.20	172.00
33.40	173.00
33.60	174.00
33.80	175.00
34.00	176.00
34.20	177.00
34.40	178.00
34.60	179.00
34.80	180.00
35.00	181.00
35.20	182.00
35.40	183.00
35.60	184.00
35.80	185.00
36.00	186.00
36.20	187.00
36.40	188.00
36.60	189.00
36.80	190.00
37.00	191.00
37.20	192.00
37.40	193.00
37.60	194.00
37.80	195.00
38.00	196.00
38.20	197.00
38.40	198.00
38.60	199.00
38.80	200.00
39.00	201.00
39.20	202.00
39.40	203.00
39.60	204.00
39.80	205.00
40.00	206.00
40.20	207.00
40.40	208.00
40.60	209.00
40.80	210.00
41.00	211.00
41.20	212.00
41.40	213.00
41.60	214.00
41.80	215.00
42.00	216.00
42.20	217.00
42.40	218.00
42.60	219.00
42.80	220.00
43.00	221.00
43.20	222.00
43.40	223.00
43.60	224.00
43.80	225.00
44.00	226.00
44.20	227.00
44.40	228.00
44.60	229.00
44.80	230.00
45.00	231.00
45.20	232.00
45.40	233.00
45.60	234.00
45.80	235.00
46.00	236.00
46.20	237.00
46.40	238.00
46.60	239.00
46.80	240.00
47.00	241.00
47.20	242.00
47.40	243.00
47.60	244.00
47.80	245.00
48.00	246.00
48.20	247.00
48.40	248.00
48.60	249.00
48.80	250.00
49.00	251.00
49.20	252.00
49.40	253.00
49.60	254.00
49.80	255.00
50.00	256.00
50.20	257.00
50.40	258.00
50.60	259.00
50.80	260.00
51.00	261.00
51.20	262.00
51.40	263.00
51.60	264.00
51.80	265.00
52.00	266.00
52.20	267.00
52.40	268.00
52.60	269.00
52.80	270.00
53.00	271.00
53.20	272.00
53.40	273.00
53.60	274.00
53.80	275.00
54.00	276.00
54.20	277.00
54.40	278.00
54.60	279.00
54.80	280.00
55.00	281.00
55.20	282.00
55.40	283.00
55.60	284.00
55.80	285.00
56.00	286.00
56.20	287.00
56.40	288.00
56.60	289.00
56.80	290.00
57.00	291.00
57.20	292.00
57.40	293.00
57.60	294.00
57.80	295.00
58.00	296.00
58.20	297.00
58.40	298.00
58.60	299.00
58.80	300.00
59.00	301.00
59.20	302.00
59.40	303.00
59.60	304.00
59.80	305.00
60.00	306.00
60.20	307.00
60.40	308.00
60.60	309.00
60.80	310.00
61.00	311.00
61.20	312.00
61.40	313.00
61.60	314.00
61.80	315.00
62.00	316.00
62.20	317.00
62.40	318.00
62.60	319.00
62.80	320.00
63.00	321.00
63.20	322.00
63.40	323.00
63.60	324.00
63.80	325.00
64.00	326.00
64.20	327.00
64.40	328.00
64.60	329.00
64.80	330.00
65.00	331.00
65.20	332.00
65.40	333.00
65.60	334.00
65.80	335.00
66.00	336.00
66.20	337.00
66.40	338.00
66.60	339.00
66.80	340.00
67.00	341.00
67.20	342.00
67.40	343.00
67.60	344.00
67.80	345.00
68.00	346.00
68.20	347.00
68.40	348.00
68.60	349.00
68.80	350.00
69.00	351.00
69.20	352.00
69.40	353.00
69.60	354.00
69.80	355.00
70.00	356.00
70.20	357.00
70.40	358.00
70.60	359.00
70.80	360.00
71.00	361.00
71.20	362.00
71.40	363.00
71.60	364.00
71.80	365.00
72.00	366.00
72.20	367.00
72.40	368.00
72.60	369.00
72.80	370.00
73.00	371.00
73.20	372.00
73.40	373.00
73.60	374.00
73.80	375.00
74.00	376.00
74.20	377.00
74.40	378.00
74.60	379.00
74.80	380.00
75.00	381.00
75.20	382.00
75.40	383.00
75.60	384.00
75.80	385.00
76.00	386.00
76.20	387.00
76.40	388.00
76.60	389.00
76.80	390.00
77.00	391.00
77.20	392.00
77.40	393.00
77.60	394.00
77.80	395.00
78.00	396.00
78.20	397.00
78.40	398.00
78.60	399.00
78.80	400.00
79.00	401.00
79.20	402.00
79.40	403.00
79.60	404.00
79.80	405.00
80.00	406.00
80.20	407.00
80.40	408.00
80.60	409.00
80.80	410.00
81.00	411.00
81.20	412.00
81.40	413.00
81.60	414.00
81.80	415.00
82.00	416.00
82.20	417.00
82.40	418.00
82.60	419.00
82.80	420.00
83.00	421.00
83.20	422.00
83.40	423.00
83.60	424.00
83.80	425.00
84.00	426.00
84.20	427.00
84.40	428.00
84.60	429.00
84.80	430.00
85.00	431.00
85.20	432.00
85.40	433.00
85.60	434.00
85.80	435.00
86.00	436.00
86.20	437.00
86.40	438.00
86.60	439.00
86.80	440.00
87.00	441.00
87.20	442.00
87.40	443.00
87.60	444.00
87.80	445.00
88.00	446.00
88.20	447.00
88.40	448.00
88.60	449.00
88.80	450.00
89.00	451.00
89.20	452.00
89.40	453.00
89.60	454.00



Plate Load Tests of Soils DIN 18204

CLIENT: Sami Bate Company
PROJECT: Electrical Expansion Trade
LOCATION: Al-Jadida (14th-15th -17th subgrade)
FLYER DIMENSION: 75 x 75
FLYER DIMENSION unit: mm
TYPE OF SOIL: GRAVELLY sand and SILTY sand clay

TEST STAND: 1000 kg
TEST FLYER: 400 kg
DATE: 1 Apr 20
LAB. REP.: 0000
1st Name: Bate to West

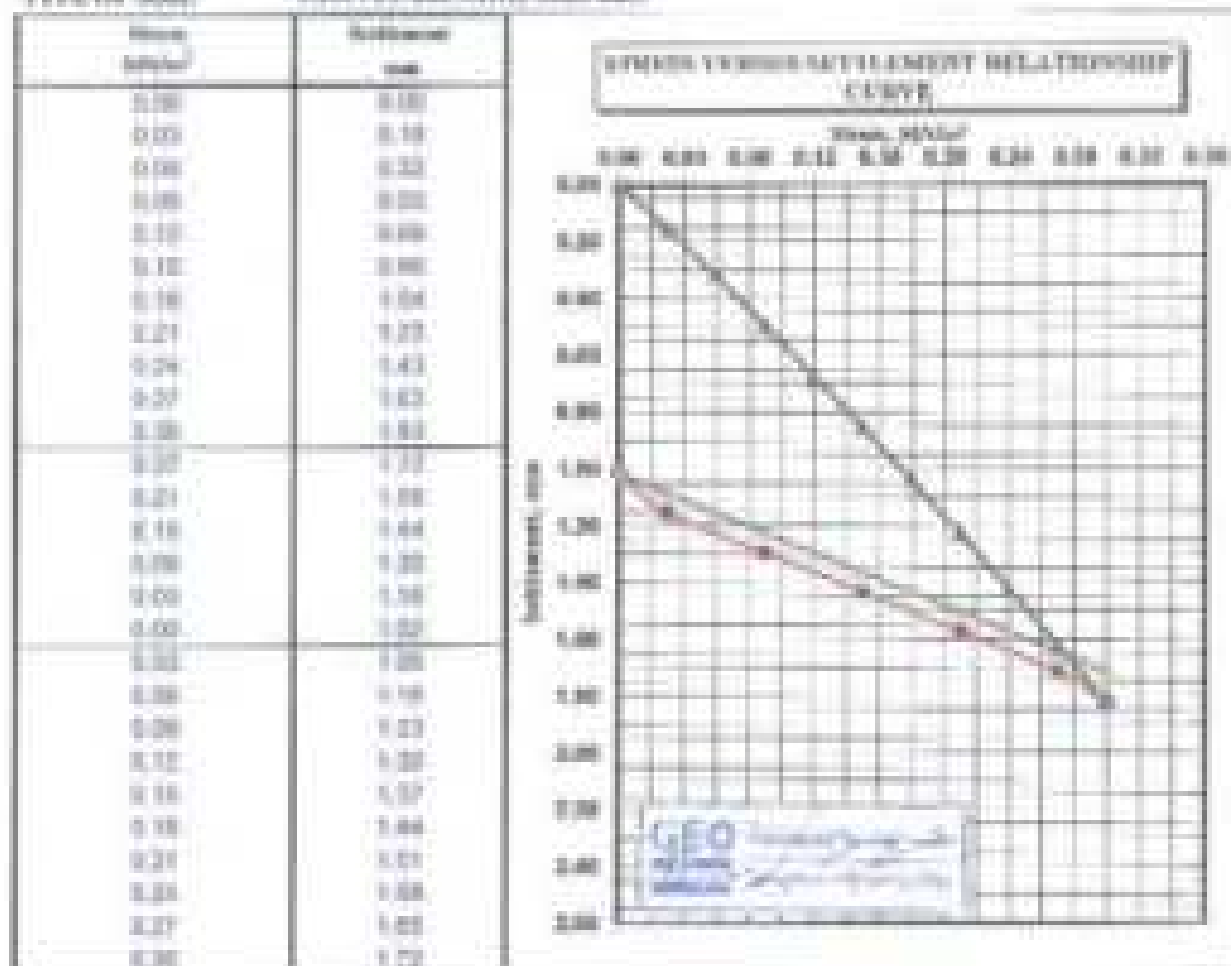


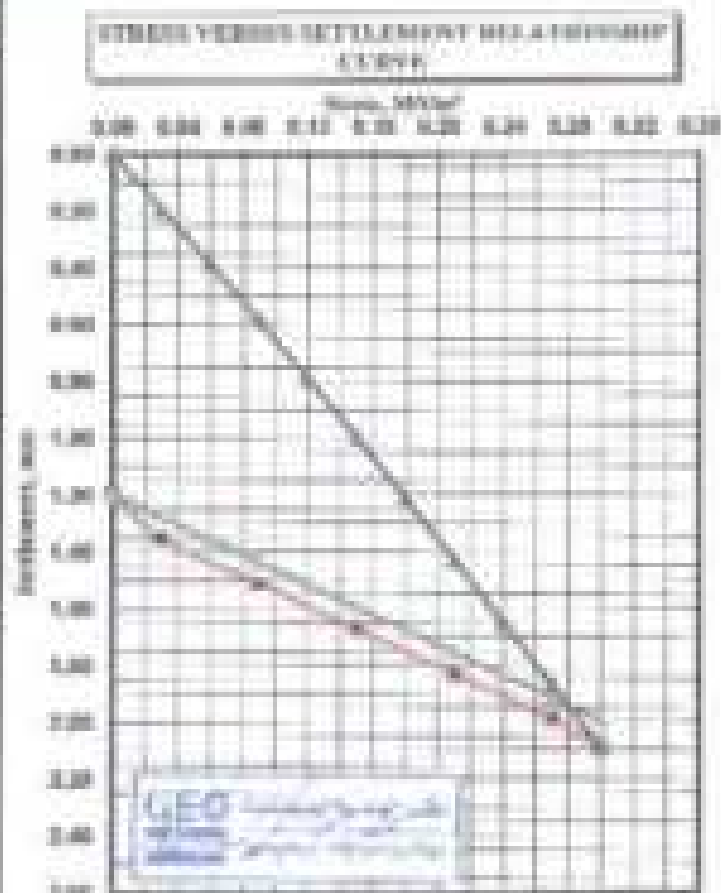


Plate Load Tests of Soils 210.101M

CLIENT: **Shah Raza Company**
PROJECT: **Electricity Expansion Tests**
JOB NO: **210.101M**
LOCATION: **100/101/102 - 100/101/102**
DATE: **15/1/15**
TIME: **10:00**
TYPE OF SOIL: **GRAVEL and SAND with clay**

TEST YEAR: **2015**
TEST DATE: **15/1/15**
DATE: **15/1/15**
TIME: **10:00**
TYPE OF SOIL: **GRAVEL and SAND with clay**

Load kN/m ²	Settlement mm
0.00	0.00
0.05	0.05
0.10	0.10
0.20	0.20
0.30	0.30
0.40	0.40
0.50	0.50
0.60	0.60
0.70	0.70
0.80	0.80
0.90	0.90
1.00	1.00
1.10	1.10
1.20	1.20
1.30	1.30
1.40	1.40
1.50	1.50
1.60	1.60
1.70	1.70
1.80	1.80
1.90	1.90
2.00	2.00
2.10	2.10
2.20	2.20
2.30	2.30
2.40	2.40
2.50	2.50
2.60	2.60
2.70	2.70
2.80	2.80
2.90	2.90
3.00	3.00



STRAIN MODULUS, E_s

	1st loading	2nd loading
σ_{max}	0.30	0.30
σ_1 [mm/(MN/m ²)]	0.352	2.70
σ_2 [mm/(MN/m ²)]	2.004	-0.240
E_s [MN/m ²]	10.7	25.4
E_s/E_s	2.50	

Remarks

1. The test was conducted in the field.
2. The test was conducted in the field.
3. The test was conducted in the field.
4. The test was conducted in the field.
5. The test was conducted in the field.
6. The test was conducted in the field.
7. The test was conducted in the field.
8. The test was conducted in the field.
9. The test was conducted in the field.
10. The test was conducted in the field.

MODULUS OF SUB-GRADE REACTION, k_s

$k_s = \sigma/\delta$ 143.2 MN/m²

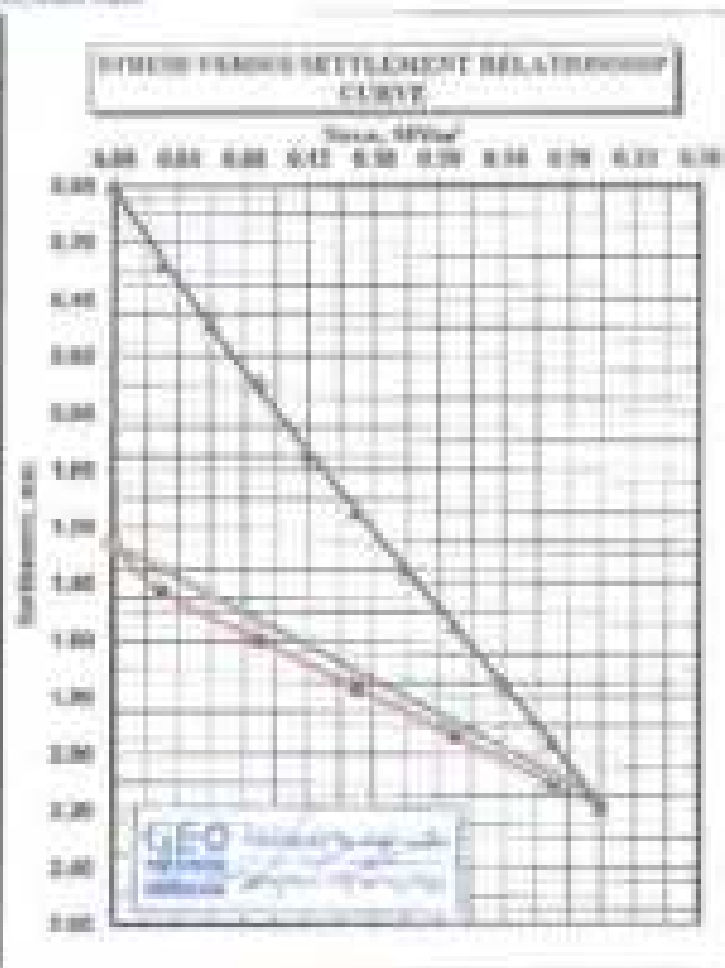


Plate Load Tests of Soils DIS 1131

CLIENT: **Sea Rise Company**
PROJECT: **Shams Capital Estate**
LOCATION: **at Pafos (Nicosia) - 051 subgrade**
PLATE LOAD No: **PL211**
PLATE DIAMETER (mm): **75.00**
TYPE OF SOIL: **GRAVEL and SAND, very dry**

TEST DATE: **01/04/2017**
TEST TIME: **10:00 AM**
DATE: **2 Apr 17**
LAB. REF.: **0000**
1st Point = Soil in Void

Stress MPa ²	Settlement mm
0.00	0.00
0.05	0.09
0.08	0.40
0.09	0.70
0.12	0.80
0.15	1.10
0.18	1.00
0.21	1.50
0.24	1.70
0.27	1.90
0.30	2.10
0.37	2.11
0.51	1.80
0.55	1.51
0.60	1.80
0.65	1.43
0.68	1.20
0.73	1.30
0.80	1.40
0.85	1.60
0.90	1.60
0.95	1.60
1.00	1.70
1.10	1.80
1.15	1.80
1.21	1.80
1.24	1.80
1.27	2.07
1.30	2.10



STRAIN MODULUS, E_v

	1 st loading	2 nd loading
100mm	0.30	0.30
a_1 [mm(MPa ^{1/2})]	7.327	3
a_2 [mm(MPa ^{2/3})]	0.951	0
E_v [MPa ^{1/2}]	75.8	167.5
Extrapol	0.35	

Remarks

1. The test was conducted in the lab.
2. The test was conducted in the lab.
3. The test was conducted in the lab.
4. The test was conducted in the lab.
5. The test was conducted in the lab.
6. The test was conducted in the lab.
7. The test was conducted in the lab.
8. The test was conducted in the lab.
9. The test was conducted in the lab.
10. The test was conducted in the lab.

MODULUS OF SUB-GRADE REACTION, k_s

k_s = Soils 130.0 MPa/m³

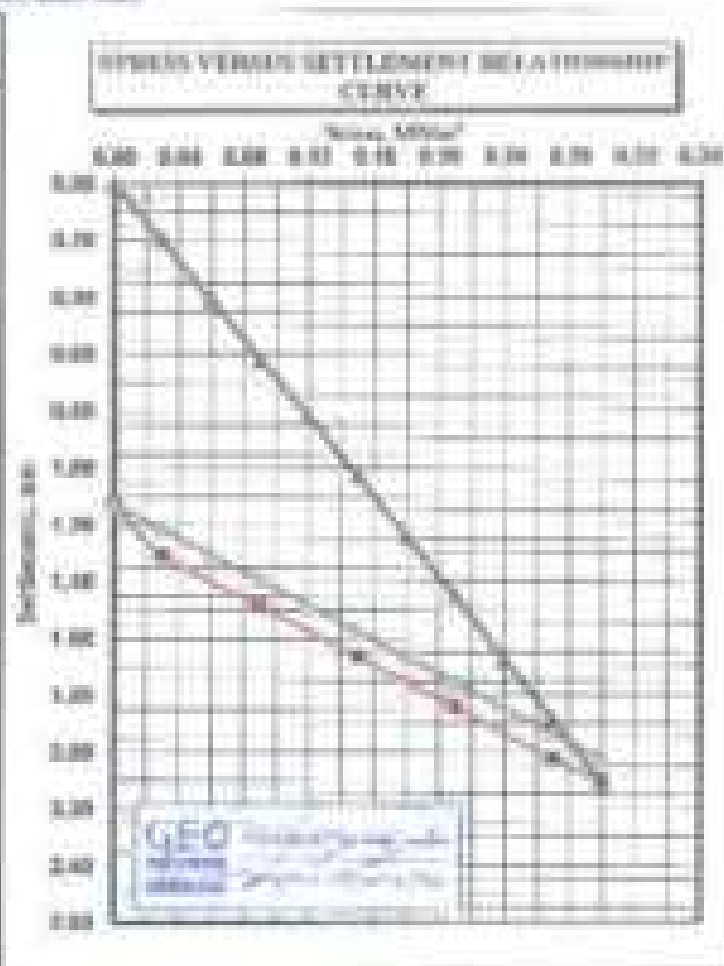


Plate Load Tests of Soils BOLAN

CLIENT: Saa Sitar Company
PROJECT: Electric Dispenser Train
SITE: Bolan (400' 00" - 400' 00")
PLATE SIZE: 75.00
PLATE DIAMETER: 75.00
TYPE OF SOIL: GRAVEL and SAND, very fine

TIME START: 10:00 AM
TIME FINISH: 10:00 PM
DATE: 2 Apr 13
LAB NO.: 0000
1" Note = Soil is Dry

Stress MN/m ²	Settlement mm
0.00	0.00
0.03	0.20
0.06	0.41
0.09	0.62
0.12	0.83
0.15	1.03
0.18	1.24
0.21	1.45
0.24	1.66
0.27	1.87
0.30	2.11
0.33	2.32
0.36	2.53
0.39	2.74
0.42	2.95
0.45	3.16
0.48	3.37
0.51	3.58
0.54	3.79
0.57	4.00
0.60	4.21
0.63	4.42
0.66	4.63
0.69	4.84
0.72	5.05
0.75	5.26
0.78	5.47
0.81	5.68
0.84	5.89
0.87	6.10
0.90	6.31



STRAIN MODULUS, E_v

	1 st loading	2 nd loading
σ_{0max}	0.30	0.30
α_1 [mm/(MN/m ²)]	5.75	3
α_2 [mm/(MN/m ²)]	0.901	0
E_v [MN/m ²]	50.0	167.5
E_v/E_{v1}	3.34	

Remarks

- 1. Loading plate diameter is 75 mm.
- 2. The test was conducted at 100 mm.
- 3. The test was conducted at 100 mm.
- 4. The test was conducted at 100 mm.
- 5. The test was conducted at 100 mm.
- 6. The test was conducted at 100 mm.
- 7. The test was conducted at 100 mm.
- 8. The test was conducted at 100 mm.
- 9. The test was conducted at 100 mm.
- 10. The test was conducted at 100 mm.

MODULUS OF SUB-GRADE REACTION, k_a

$$k_a = \frac{Settlement}{142.4} \quad \text{MN/m}^2$$

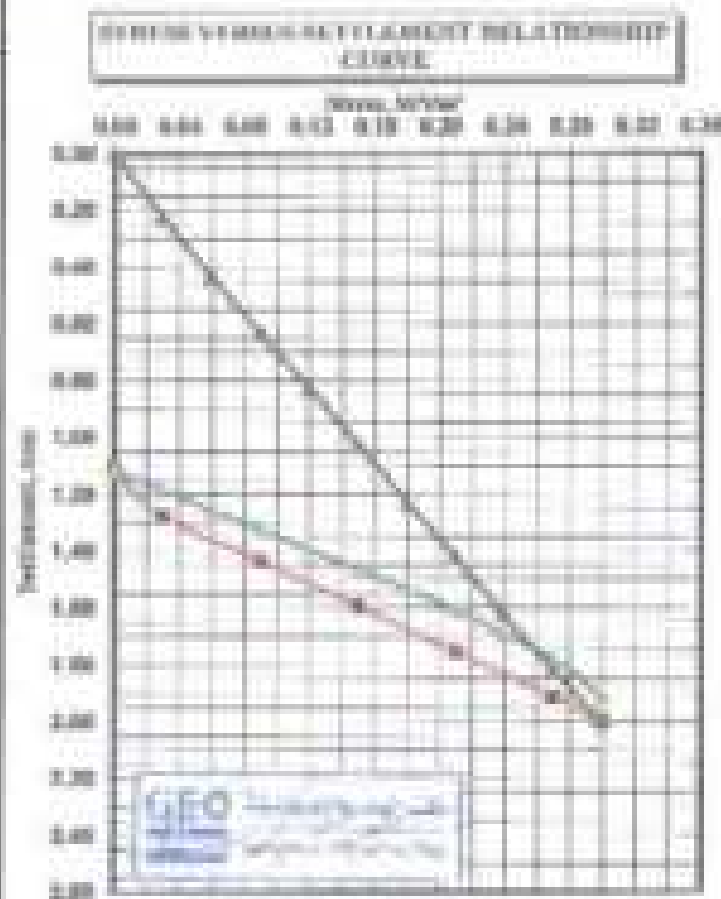


Plate Load Tests of Soils درین سال

CLIENT: **Iran Rice Company**
PROJECT: **Electrical Engineer Train**
LOCATION: **Ardebil (100000) - 475 m above sea level**
PLATE LOAD NO.: **PL-11**
PLATE DIMENSIONS (mm): **750x750**
TYPE OF SOIL: **CLAYEY and SANDY silt loam**

TEST DATE: **01/04/14**
TEST NUMBER: **10074**
DATE: **24 Apr 13**
LAB. REF.: **0000**
BY: **Shahin - Soil to Way**

Stress MPa	Settlement mm
0.05	0.05
0.10	0.15
0.20	0.44
0.30	0.83
0.40	0.83
0.50	1.00
0.60	1.07
0.70	1.42
0.80	1.52
0.90	1.52
1.00	1.80
1.20	1.75
1.40	1.60
1.60	1.44
1.80	1.20
2.00	1.12
2.20	1.10
2.40	1.30
2.60	1.30
2.80	1.40
3.00	1.47
3.20	1.54
3.40	1.61
3.60	1.70
3.80	1.70
4.00	1.80



STRAIN MODULUS, E_v

	1st loading	2nd loading
σ_{vm}	0.30	0.30
σ_1 [mm/(MN/m ²)]	0.018	1.949
σ_2 [mm/(MN/m ²)]	-0.002	2.005
E_v [MN/m ²]	86.1	200.5
E_{vd} [MN/m ²]	2.30	

Remarks

- 1. The test was conducted in the laboratory.
- 2. The test was conducted in the field.
- 3. The test was conducted in the laboratory.
- 4. The test was conducted in the field.
- 5. The test was conducted in the laboratory.
- 6. The test was conducted in the field.
- 7. The test was conducted in the laboratory.
- 8. The test was conducted in the field.

MODULUS OF SUB-GRADE REACTION, R_a

at 7.5 kPa 140 g MN/m²

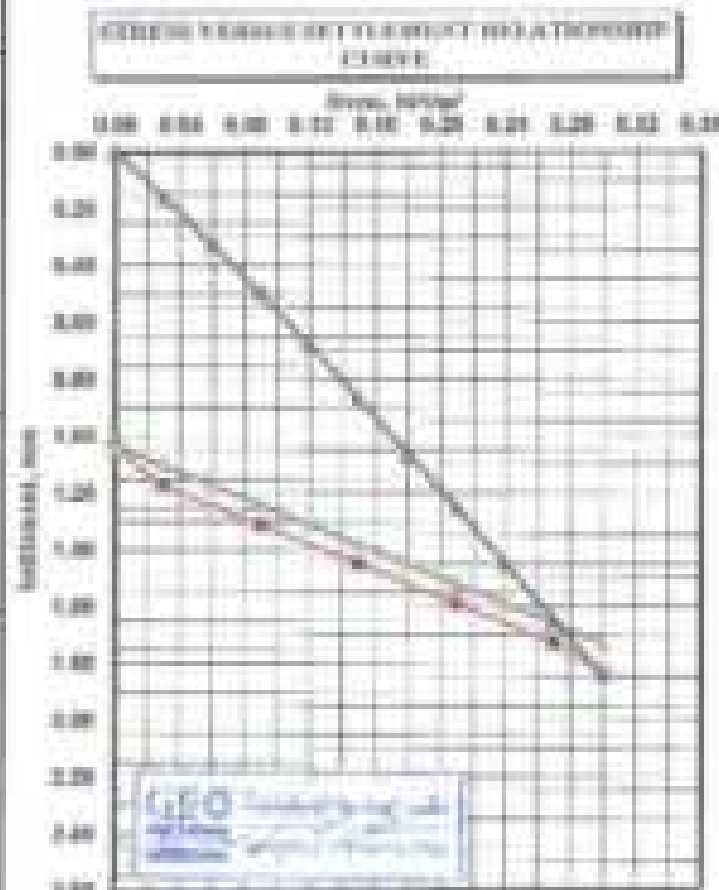


Plate Load Tests of Soils (DIN 15213)

CLIENT: **Real Blue Company**
PROJECT: **Electrical Expansion Train**
LOCATION: **Ar-Ramtha (100000) - off highway**
FLATLITERATURE: **PL 111**
PLATE NUMBER: **Load 11.00**
TYPE OF SOIL: **GRAVELLY sand & SILT, loose state**

TIME STAMP: **1:00 PM**
TIME SYSTEM: **GMT+3**
DATE: **24 Sep 20**
LAB. REP.: **00001**
IT Stamp : Soil & Water

Stress, kg/cm^2	Settlement, mm
0.00	0.00
0.05	0.10
0.10	0.22
0.15	0.30
0.20	0.40
0.25	0.47
0.30	0.57
0.35	0.65
0.40	0.72
0.45	0.80
0.50	0.88
0.55	0.95
0.60	1.05
0.65	1.15
0.70	1.25
0.75	1.32
0.80	1.40
0.85	1.48
0.90	1.55
0.95	1.65
1.00	1.72
1.05	1.80
1.10	1.88
1.15	1.95
1.20	2.05
1.25	2.12
1.30	2.20
1.35	2.28
1.40	2.35
1.45	2.42
1.50	2.50
1.55	2.58
1.60	2.65
1.65	2.72



STRAIN MODULUS, E_v

	1 st Loading	2 nd Loading
σ_{Gmax}	0.35	0.30
α_1 [mm/(MN/m^2)]	5.951	2.333
α_2 [mm/(MN/m^2)]	2.136	0
C_v [MN/m^2]	60.7	241.1
C_v/C_{v1}	3.96	

Remarks:

- 1 Loading curve is shown in the table
- For the second loading, there is no
- Change in settlement, so it is not included in the calculation
- For the second loading, the modulus is calculated as the average
- For the second loading, the modulus is calculated as the average
- For the second loading, the modulus is calculated as the average
- For the second loading, the modulus is calculated as the average

MODULUS OF SUB-GRADE REACTION, K_s

$K_s = \frac{\sigma_{Gmax}}{S_{1.5}} = \frac{0.35}{1.5} = 0.23 \text{ MN/m}^2$



التحليل الكيميائي لمرحلة SUBGRADE

التاريخ: ٢٠٢٢/٩/١٢ - السيد: /

الجهة الممولة: مياه البحيرة - شركة مياه وادى النصارى - جمهورية مصر العربية

مشروع: تطوير الطريق الكوبريتى السريع (طابون - طوكا) من كم 446+600 الى 451+100

نوع البنية: حبيبات ١

SUBGRADE (448+600 الى 449+600)

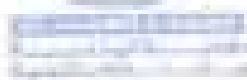
نتائج التحليل الكيميائي:

م	التحليل	%
١	ماء الصخرى عند ٩٥ °م	٣٢.٥١
٢	نسبة الكبريت	٢١.٧١
٣	الأملاح الكلية للزيت	٠.٠٤٨
٤	الكبريتات	٠.٠٢٥
٥	الكبريتات الحرة	٠.٠٠٥
٦	الكبريتات الكلية	٠.٢٣
٧	الأكسجين الكلية	٢.١٠
٨	أكسيد كالسيوم	٣٩.٨٢
٩	أكسيد مغنسيوم	١.٧٧

• وذلك دون أدنى مسئولية على التحليل من حيث الطريقة التي استخدمت بها البنية أو الكمية التي أرسلت بها

المشرف على التحليل
أ.د. أحمد محمد حسن
أ.د. أحمد محمد حسن

المقام بالتحليل
أ.د. أحمد محمد حسن
أ.د. أحمد محمد حسن





التحليل الكيميائي لبيوت SUBGRADE

التاريخ: ٢٢/٩/٢٠٢٢

الموقع: الطريق من راقى الى المحطة

مشاريع الطرق الكهرومائية (الطريق - قنطرة) من كم 446+600 الى 453+100

نوع البنية: بيت ٢

SUBGRADE (449+600 الى 450+600)

نتائج التحليل الكيميائي

رقم	النتيجة	%
١	ماء الحرق عند ٩٥ °C	٢٢.٤١
٢	السياركا الكلية	١١.٩١
٣	الأملاح الكلية للبيوت	٠.١٤
٤	الكبريتات	٠.٢٤
٥	الكبريتات الحرة	٠.٠١
٦	الكبريتات الكلية	٠.٢٣
٧	أكسيد الحديد	١.٠٣
٨	أكسيد الكالسيوم	٢٩.٢٠
٩	أكسيد المغنسيوم	٢.٠٠

* وذلك بعد أن تم التأكد من عدم احتوائها على أي مواد كيميائية أخرى أرسلت بها



أ.د. أحمد عبد الحميد
مدير معمل التحليل الكيميائي
أ.د. أيمن محمد محمد



التحليل الكيميائي لعينات من

قذير روم، صيغة: $C_{12}H_{22}O_{11}$

اسم المشروع: مشروع التحليل الكيميائي للسج - مرقع (٢٢٩٩٠٠ إلى ٢٢٩٩٩٠)

المرحلة: المرحلة رقم ٢ من روم للمختبرات الكيميائية

نوع العينات : سج - قذير ١ - من رقم ٢٢٩٩٠٠٠ إلى ٢٢٩٩٠٠٠

نتائج التحليل الكيميائي:

رقم	التحليل	%
١	قلد الحرق عند ٩٥٠ م ^٢	٢٢,٢٠
٢	السيكا الكلية	٢٩,٢٩
٣	الأملاح القوية للبروتين	٠,٠٢٥
٤	الكبريتات	٠,٠١٩
٥	الكبريتات الكلية	٠,٠٠٤
٦	الكبريتات الكلية	٠,٢٠
٧	الأكسجين الكلية	١,٤٠
٨	النسبة كالسيوم	٢٥,٩٠
٩	النسبة مالحسود	١,٧٢

• وذلك بعد أن تم التأكد من صحة الطريقة التي أعادت بها قذير روم الكيميائية التي أرسلت بها

المستوفى عن التحليل

المستوفى عن التحليل

أ.د. أحمد محمد حسن

أ.د. أحمد محمد حسن

أ.د. أحمد محمد حسن

أ.د. أحمد محمد حسن

أ.د. أحمد محمد حسن

أ.د. أحمد محمد حسن

أ.د. أحمد محمد حسن



Plate Load Tests of Soils DIN 18134

CLIENT	Soiltest	TYPE OF SOIL	(sand + 0.35%)
PROJECT	Classic Express Train	TIME START	6:05 AM
LOCATION	A2-Dubai (+47°+38°49'44"ET) (level +0.35m)	TIME FINISH	7:10 AM
PLATE LOAD NO.	PLT- 39	DATE	7-Aug-21
PLATE DIAMETER (mm)	60.00	LAB. REF.	11001

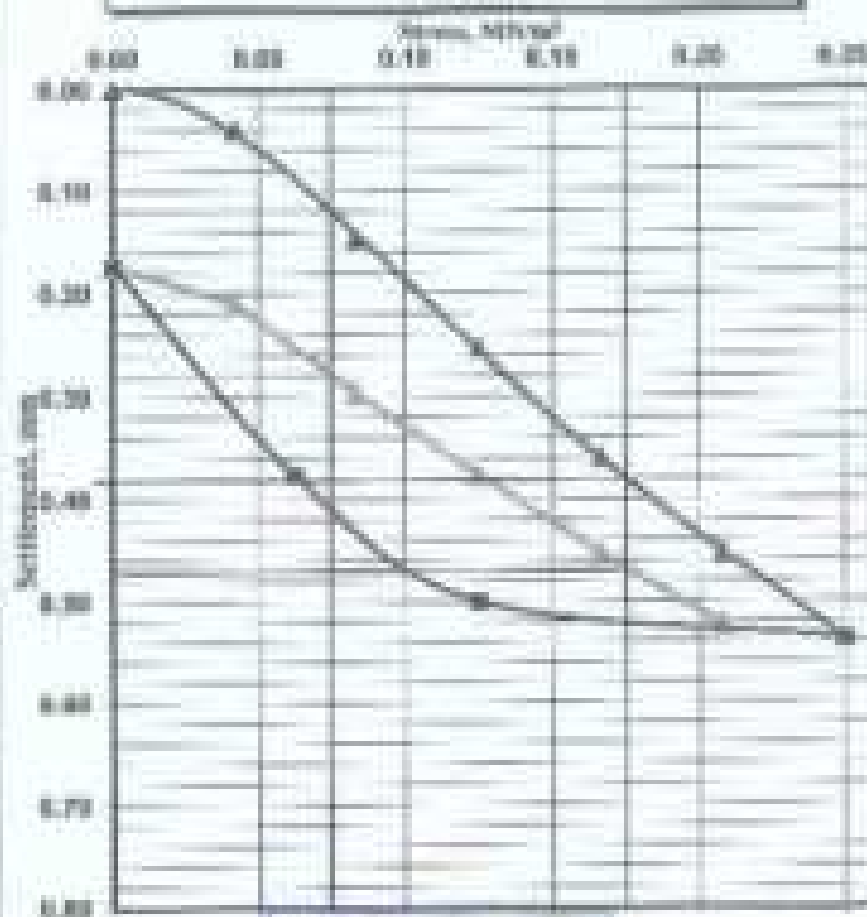
Stress MN/m ²	Settlement mm
0.00	0.00
0.04	0.04
0.08	0.10
0.13	0.25
0.17	0.36
0.21	0.45
0.25	0.54
0.33	0.55
0.00	0.38
0.00	0.17
0.04	0.21
0.08	0.30
0.13	0.38
0.17	0.45
0.21	0.52
0.25	0.58

0.3*σ _{lim}	0.075
0.7*σ _{lim}	0.175
S1 at 0.3*σ _{lim}	0.120
S2 at 0.3*σ _{lim}	0.200
S1 at 0.7*σ _{lim}	0.380
S2 at 0.7*σ _{lim}	0.475

STRAIN MODULUS, E_v

E _{v1} [MN/m ²]	173.08
E _{v2} [MN/m ²]	236.84
E _{v2} /E _{v1}	1.37

STRESS VERSUS SETTLEMENT RELATIONSHIP CURVE



Remarks

1. Loading plates consists of 300 mm. The thickness of plates 25 mm
2. The gauges with accuracy 0.01 mm to measuring the settlement
3. Steel tripods with 100 mm supports to hold the soil gauges
4. Hydraulic jack with pump to transfer reaction loads to the loading plates
5. Fixing Ring for plate load 202 mm



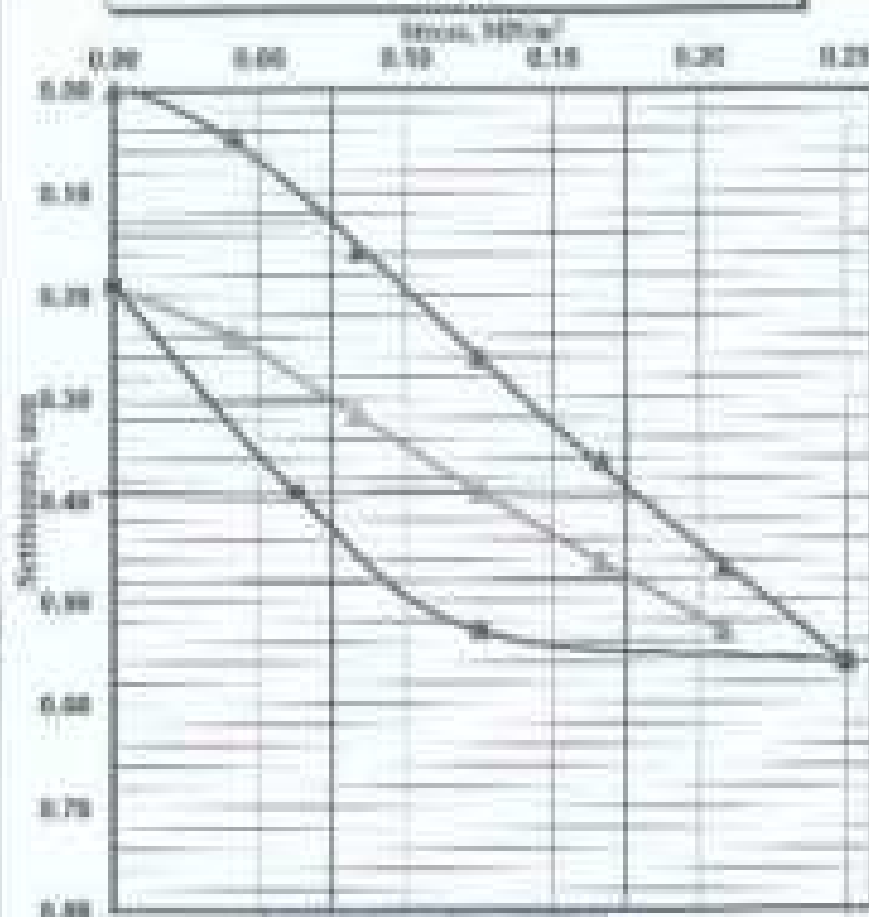
Plate Load Tests of Soils DIN 18134

CLIENT	Swedish	TYPE OF SOIL	(sand + 0.5%cl)
PROJECT	Electric Transport Train	TIME START	6:00 AM
LOCATION	Al-Duhay (100m + 100m) (100m + 100m) (100m + 100m)	TIME FINISH	7:30 AM
PLATE LOAD NO.	PLT-01	DATE	7-Aug-23
PLATE DIAMETER (mm)	50.00	LAB. REF.	11011

Stress MPa	Settlement mm
0.00	0.00
0.04	0.00
0.08	0.16
0.13	0.20
0.17	0.36
0.21	0.47
0.25	0.56
0.13	0.53
0.08	0.39
0.04	0.10
0.04	0.24
0.08	0.32
0.13	0.38
0.17	0.46
0.21	0.53
0.25	0.58

0.3*0.00mm	0.075
0.7*0.00mm	0.175
S1 at 0.3*0.00mm	0.137
S2 at 0.3*0.00mm	0.308
S1 at 0.7*0.00mm	0.300
S2 at 0.7*0.00mm	0.480

**STRESS VERSUS SETTLEMENT RELATIONSHIP
CURVE**



GEO *Geotechnical Engineering*
Soil Investigation & O.G.

STRAIN MODULUS, E_v

E_{v1} [MN/m ²]	169.81
E_{v2} [MN/m ²]	250.00
E_{v2}/E_{v1}	1.47

Comments

1. Loading plates consists of 300 mm. The thickness of plates 20 mm
2. Dial gauges with accuracy 0.01 mm to measuring the settlement
3. Steel strong bridges with magnetic supports to fix the dial gauges
4. Hydraulic jack with pump to transfer reaction loads to the loading plates
5. Proving Ring for plate load 360 kN

المصدر: <http://www.egypttoday.com/Article/1/27123/البحر-المتوسط-منطقة-مليونية-البحر-المتوسط-منطقة-مليونية-البحر-المتوسط-منطقة-مليونية>

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South Africa 1994

الترتيب	النسبة المئوية
1	99,8%
2	99,6%
3	99,5%
4	99,4%
5	99,3%
6	99,2%
7	99,1%
8	99,0%
9	98,9%

- والآن نريد ان نمنحها حق الوصول من حيث الطريقة التي أخذت بها المبدأ في الكلية التي أرسلت بها

المسألة الأولى

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Abstract

1

[illegible]



التحليل الكيميائي لمنتجات من

البخاخ ورود العنبر ٢٠٢٢/٦/١٣

اسم المشروع : مشروع تحليل الغاز الكهروكيميائي - نوع (٤٤٦٩٠٠٠ إلى ٤٤٦٩٠٠٠)

الشركة المستلمة : شركة من دهر للمطويات النسيجية

نوع العينات : س - حبة ١ - من كم ٤٤٦٩٠٠٠ إلى ٤٤٦٩٠٠٠

نتائج التحليل الكيميائي :

م	التحليل	%
١	نقاء العنبر عند ٩٥ °م	٩٩,٧٠
٢	الاستيكا الكلية	٩٩,٧٢
٣	الإملاح الكلية للبريد	٠,٠٣٥
٤	الكبريتات	٠,٠٢٩
٥	الكبريتات الكلية	٠,٠٠٤
٦	الكبريتات الكلية	٠,٢٠
٧	الأكسجين الكلية	١,٤٠
٨	الكبريت الكلي	٣٥,٧٠
٩	الكبريت الكلي	١,٧٢

٥ - وثائق بروتوكول تحليل العنبر من حيث سلامة العينات بها القيد أو القيد التي لم تكن بها

الاسم : علي محمد

الاسم : علي محمد

الاسم : علي محمد

أ.د. أحمد محمد

أ.د. أحمد محمد

أ.د. أحمد محمد

أ.د. أحمد محمد

أ.د. أحمد محمد



الاسم : علي محمد



التحليل الكيميائي لمنتجات من

البنج حرق القمح ٢٠٢٢/٢٠٢٣

اسم المشروع : مشروع التحليل الكمي للسريع -- بولج (٢٢٧١٩٠٠ إلى ٢٢٧١٩٠٠)

الشركة المستلمة : شركة من ريو للخدمات الصحية

نوع العينات : من -- حبة ١ -- من كم ٢٢٧١٠٠٠ إلى ٢٢٧١٠٠٠

نتائج التحليل الكيميائي :

م	التحليل	%
١	نسبة الكربون عند ٩٥٠ °C	٢٢,٢٠
٢	نسبة الكبريت	٢٩,٢١
٣	الأملاح القابلة للذوبان	٠,٠٢٥
٤	الكبريتات	٠,٠١٦
٥	الكبريتات القابلة	٠,٠٠٩
٦	الكبريتات الكلية	٠,٠٣٠
٧	الأكاسيد الخاملة	٩,٤٠
٨	النسبة الكلية	٢٨,٩٠
٩	النسبة الكلية	٩,٧٣

* وذلك حيث جرى استجابة على التفاعل من حيث الطريقة التي أجريت بها القياسات من الكمية التي أرسلت لها

المستلم على التحليل

المقدم والتحليل

أ.د. أحمد محمد محمد

أ.د. أحمد محمد محمد

أ.د. أحمد محمد محمد

أ.د. أحمد محمد محمد

أ.د. أحمد محمد محمد

أ.د. أحمد محمد محمد

أ.د. أحمد محمد محمد



Item	Quantity	Unit	Amount	Remarks
1. Labor	100	hr	100	
2. Material	50	kg	50	
3. Equipment	10	hr	10	
4. Transport	5	hr	5	
5. Other	5	hr	5	
Total	170	hr	170	

1. Labor

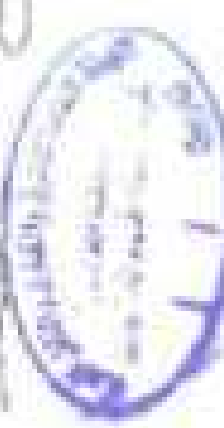
Item	Quantity	Unit	Amount	Remarks
1. Labor	100	hr	100	
2. Material	50	kg	50	
3. Equipment	10	hr	10	
4. Transport	5	hr	5	
5. Other	5	hr	5	
Total	170	hr	170	

2. Material



3. Equipment

Item	Quantity	Unit	Amount	Remarks
1. Labor	100	hr	100	
2. Material	50	kg	50	
3. Equipment	10	hr	10	
4. Transport	5	hr	5	
5. Other	5	hr	5	
Total	170	hr	170	



4. Transport

Sl. No.	Name of the Candidate	Roll No.	Grade	Section
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____

Mathematics - Standard 10 - Chapter 10 - Circles

Q. No.	Answer	Mark	Total
1	_____	2	2
2	_____	2	4
3	_____	2	6
4	_____	2	8
5	_____	2	10
6	_____	2	12
7	_____	2	14
8	_____	2	16
9	_____	2	18
10	_____	2	20
11	_____	2	22
12	_____	2	24
13	_____	2	26
14	_____	2	28
15	_____	2	30
16	_____	2	32
17	_____	2	34
18	_____	2	36
19	_____	2	38
20	_____	2	40
21	_____	2	42
22	_____	2	44
23	_____	2	46
24	_____	2	48
25	_____	2	50
26	_____	2	52
27	_____	2	54
28	_____	2	56
29	_____	2	58
30	_____	2	60
31	_____	2	62
32	_____	2	64
33	_____	2	66
34	_____	2	68
35	_____	2	70
36	_____	2	72
37	_____	2	74
38	_____	2	76
39	_____	2	78
40	_____	2	80
41	_____	2	82
42	_____	2	84
43	_____	2	86
44	_____	2	88
45	_____	2	90
46	_____	2	92
47	_____	2	94
48	_____	2	96
49	_____	2	98
50	_____	2	100



Teacher's Signature: _____
Date: _____

W.D. 3
WEST BIRTH CASEBOOK

DATE OF BIRTH

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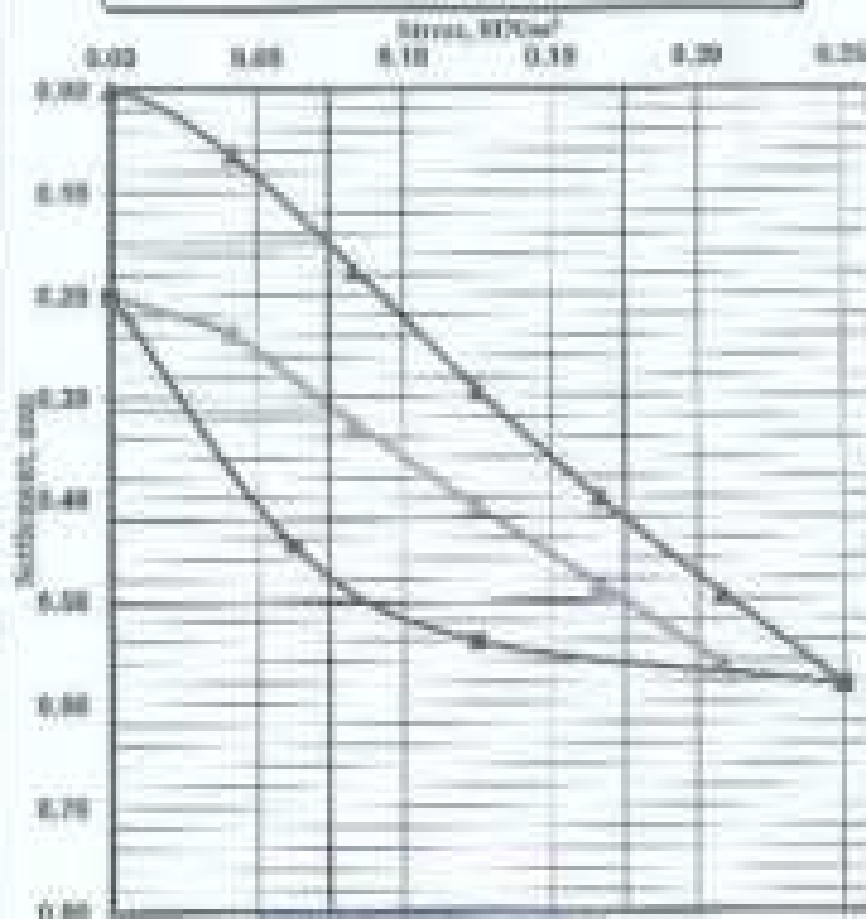
Plate Load Tests of Soils DIN 18134

CLIENT	Sandhar	TYPE OF SOIL	(Sand + 0.15%)
PROJECT	Flamingo Export Trade	TIME START:	6:00 AM
LOCATION	A1 Chasma (11) - 800mm (11) - 4200 (level +0.10m)	TIME FINISH:	7:30 AM
PLATE LOADING	PLT-18	DATE	28 May 22
PLATE DIAMETER (mm)	90.00	LAB REF.	11871

Stress kN/m ²	Settlement mm
0.00	0.00
0.04	0.00
0.06	0.10
0.12	0.20
0.17	0.40
0.21	0.50
0.25	0.55
0.13	0.54
0.06	0.45
0.00	0.30
0.04	0.24
0.08	0.33
0.12	0.41
0.17	0.48
0.21	0.50
0.20	0.52

0.3 * c _{crust}	0.073
0.7 * c _{crust}	0.173
S1 at 0.3 * c _{crust}	0.108
S2 at 0.3 * c _{crust}	0.312
S1 at 0.7 * c _{crust}	0.429
S2 at 0.7 * c _{crust}	0.600

STRESS VERSUS SETTLEMENT RELATIONSHIP
CURVE



GEO Engineering & Geotechnical
Solutions

STRAIN MODULUS, E_v

E _{v1} [MN/m ²]	195.67
E _{v2} [MN/m ²]	239.36
E _{v2} /E _{v1}	1.44

Apparatus

1. Loading plates consists of 900 mm. The thickness of plates 25 mm
2. Dial gauges with accuracy 0.01 mm to measure the settlement
3. Steel roughened plates with magnetic supports to fix the dial gauges
4. Hydraulic jack with pump to transfer reaction loads to the loading plates
5. Pulling Ring for plate load 250 kN

محضر استلام موقع

مشروع: اعمال الجسر الترابي لمشروع القطار الكهربائي السريع
(العين السخنة - العاصمة الإدارية - العلمين - مطروح)
قطاع العلمين / فوكة
في المسافة من كم ٦٠٠+٤٤٨ الي كم ٨٥٠+٤٤٩ بطول ١,٢٥ كم
(المنطقة الخامسة - غرب الدلتا)

تنفيذ: شركة صن رايز للمقاولات العمومية
إشراف : المنطقة الخامسة - منطقة غرب الدلتا

طبقاً للعقد رقم (٢٠٢٤/٢٠٢٣/٤٢١) بتاريخ ٢٠٢٣/٩/٢٠

إنه في يوم الاربعاء الموافق ٢٠٢٣/٩/٢٠ حضر كل من:

- ١- السيد المهندس /محمد حسني فياض مدير عام مشروعات - الهيئة العامة للطرق والكباري
- ٢- السيد المهندس /إبراهيم عبد الله الحناوي مهندس العملية - الهيئة العامة للطرق والكباري
- ٣- السيد المهندس / سعيد رجب سعيد مدير مشروع - شركة صن رايز للمقاولات العمومية

وذلك للمرور على مسار العملية المذكورة عالية لاستلام الموقع :-
وقد تبين أن الموقع خالياً من العوائق الظاهرية ويسمح بالبدء في التنفيذ وبناء عليه يعتبر
تاريخ ٢٠٢٣/٩/٢٠ هو تاريخ استلام الموقع وبدء الأعمال بالعملية
واقفل المحضر على ذلك ووقع الحضور

التوقيعات

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٢-

١-

رئيس الإدارة المركزية

منطقة غرب الدلتا

الاسكندرية - مرسى مطروح

عميد - مهندس /

"هاني محمد محمود طه"

٢٠٢٣
١١/١٣

1314769

وثيقة تأمين جميع اخطار المقاولين

بموجب هذه الوثيقة تم الاتفاق بين شركة وثاق للتأمين التكافلي (المفوض عنها فيما بعد بالشركة) والمشتري الوارد اسمه بجدول الوثيقة على ان تتعهد الشركة وفقاً لشروط هذه الوثيقة ومقابل تمام سداد الاشتراك المبين بجدول وإيصال الوثيقة بتحويل المشتري عن الخسائر والأضرار التي تحدث بسبب تحقق أي من الأخطار المغطاة الواردة بالوثيقة وذلك خلال السدة المبينة بهذه الوثيقة أو أي ملاحق لها وذلك في حدود الشروط والأحكام والاستثناءات الواردة بهذه الوثيقة.

جدول الوثيقة

رقم الوثيقة :	2187/2023	اصدار
اسم المشتري / والمشتريين :	شركة صن رايز للمقاولات العمومية	
العنوان :	شارع الحجاز القنطرة غرب - الاسماعيلية	
اسم المستفيد :	الهيئة العامة للطرق والكبارى	
اسم المقولة :	تأميناً على عقد رقم (421 / 2023 / 2024) اعمال الجسر الترابي والاعمال الصناعية لمسار القطار الكهربائي السريع الخط الاول (العين السخنة - العاصمة الاداريه - العلمين - مطروح) قطاع (العلمين / فوكه) مراحل اعمال الحفر والتطوير وتشكيل الجسر والتأسيس والاساس المسافة من الكم 448,600 الى الكم 449,850 بطول 1,250 كم	
موقع العمل :	(العلمين / فوكه)	
سدة التأمين :		
أ - بالنسبة للأعمال	يبدأ التأمين في : 2023/09/20	
	وينتهي في : 2024/09/19	
ب - بالنسبة لأعمال الصيانة	تبدأ من : وتنتهي في :	
مبلغ التأمين :	20,000,000.00	فقط عشرون مليوناً جنيه مصري
التقسيم الاول :	الاستمرار المالية	
التقسيم الثاني :	المسئولية المدنية قبل الغير	



تحريراً في : 20/09/2023

اسم المستخدم : منه الله جمال

كود المنتج : 23697 مصطفى محمد مصطفى



Head Office
Mokhadessen Branch
Naser City Branch
Alexandria Branch
Smouha Branch
El Mansoura Branch
Port said Branch
Ismailia Branch
Port said Branch
Damietta Branch

25 Mohamed el - Gokki - Giza
23 Wadi el Ne el - Mokhadessen - Giza
6 Abbas El Aqad el - Naser City - Cairo
68 Fouad el - (El Horia Road) - Alexandria
60 Farouk Street - Smouha-Sidi Gaber Station Area
Awad Ali Building 2, El Galsh el - El Mansoura
Block 3/A, El Mansoura and Mahmoud Sabry Street - East Sector - Nasser Tower above Abu Dhabi Bank - Port Said
Sheikh Street, Andalus Tower - Fawad el Financial Directorate
Omar Abdel Nasser Street - Agricultural Society Building, next to Sharhita Government
Cemirak El Nile Fourth Section, Damietta, El Rifa'i Building, above S-Tech and Wala Bank

19685

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المقر الرئيسي : ٢٥ شارع مصطفى - الدقي - الجيزة
فرع الهندسة : ٢٠ شارع وادي النيل - الهندسة - الجيزة
فرع مدينة نصر : ٦ شارع عباس - المقام مدينة نصر - القاهرة
فرع الإسكندرية : ٨٨ شارع فؤاد (طريق السويدي) - الإسكندرية
فرع سموحة : ١٠ شارع طارق فوزي سجاد - سموحة - قسم سيدى جابر - الاسكندرية
فرع للمعمورة : صدارة عيسى الله رقم ٢ على الجبل أعلى البنك المصري القبطى - المعمورة
فرع بورسعيد : قطعة ١/٧ شارع التأمين ومحمود مصطفى - قسم الشرق - برج نصف أعلى مصرف أبو طيغ - بورسعيد
فرع الإسماعيلية : شارع شبراخيت بروج الأندلس - أمام المديرية المالية
فرع الزقازيق : على جمل عبد الناصر مبنى الجمعية الزراعية بجمار مبنى محافظة الغربية
فرع دمياط : ٢ شقة رقم ٢ الدور الرابع عمارة الوثاق أعلى مبنى بنك كويش النيل - دمياط

1314770

تابع جدول وثيقة تأمين جميع أخطار المقلولين رقم : 2187/2023 إصدار

القسم الأول: الأضرار المادية

التحمل عن كل حادث	مبلغ التأمين	البنود المؤمن عليها
-	-	1- أعمال المقاولات (الأعمال الدائمة والمؤقتة متضمنة جميع المواد المبنية فيما بعد) -
يتحمل المشترك الـ 20% من كل حادث يحد أدنى 100,000 جـم	20,000,000.00 جـم	1-1 الأثاث والمواد التي يوردها صاحب أو أصحاب المشروع - مغطى ضمن مبلغ التأمين
-	-	2- أدوات ومهمات التشييد - غير مغطى
-	-	3- آلات ومعدات التشييد - غير مغطى
-	-	4- إزالة الأنقاض - غير مغطى
-	20,000,000.00	إجمالي مبلغ التأمين للقسم الأول

التحملات	حدود التعويض (1)	الأخطار الطبيعية
-	-	1- الزلازل / البراكين / الأعاصير
-	-	2- العواصف / الزوايح / الفيضانات / غمر المياه / إنزلاق وانهيار التربة - غير مغطى
-	-	(1) حدود التعويض لكل خسارة أو ضرر أو سلسلة من الخسائر أو الأضرار الناشئة عن حادث واحد.

القسم الثاني: المسؤولية المدنية قبل الغير

التحملات	حدود التعويض (2)	البنود المؤمن عليها
-	-	1- الإصابات الجسدية -
-	100,000.00	1-1 للشخص الواحد -
-	200,000.00	2-1 مهما يكن عدد الأشخاص -
يتحمل المشترك الـ 20% من كل حادث يحد أدنى 40,000 جـم	200,000.00	2- الأضرار المادية للممتلكات -
-	400,000.00	إجمالي التزام الشركة بموجب هذا القسم

(2) حدود التعويض لكل حادث أو سلسلة من الحوادث الناشئة عن واقعة واحدة.



20/09/2023

تحرير افني

منه الله جمال

اسم المستخدم



Head Office : 25 Mosadik st., Dokki - Giza
 Mohandeseen Branch : 50 Ward El Nil st., Mohandeseen - Giza
 Nasr City Branch : 8 Aboha El Anad st., Nasr City - Giza
 Alexandria Branch : 88 Fouad st., (El Horie Road) - Alexandria
 Smouha Branch : 80 Faray Maw St., Smouha-Sid Gate Station Area
 El Mansoura Branch : Awad Aja Building 2, El Guleh st., El Mansoura
 Port said Branch : Block 3/A, Al-Mansourah Mahmoud Beky Show - East Section - Naria Tower view Area Dhar Bank - Port Said
 Ismailia Branch : Shiebin Street - Andalus Tower - Front of Financial Directorate
 Port said Branch : Gamal Abdel Nasser Street - Agricultural Society Building, next to Sharabia Government
 Damietta Branch : Corniche El Nile Fourth Section Damietta, El Ribat Building - between B-Tech and Wala Dera

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داركزا والهيبي : ٢٤ شارع مصطفى - الدقي - الجيزة
 فرع الهندسيين : ٢٠ شارع النيل - الهندسيين - الجيزة
 فرع مدينة نصر : ٨ شارع عباس - المتاح مدينة نصر - القاهرة
 فرع الإسكندرية : ٨٨ شارع فؤاد (طريق الحرية) - الإسكندرية
 فرع سموحة : ٨٠ شارع موزي محاد - سموحة - قسم مدينة جابر - الإسكندرية
 فرع المنصورة : ٨٠ شارع عوض الله رقم ٢ ش الجبل أعلى البنك المصري الخليوي - المنصورة
 فرع بورسعيد : قطعة ٢/٢ شارع المأمون ومحمود صديقي - قسم الشرق - برج الصفا أعلى مصرف أبو ظبي - بورسعيد
 فرع الإسماعيلية : شارع شبراخيت - أمام المديرية الحالية
 فرع الزقازيق : ش جمال عبد الناصر مبنى الجمعية الزراعية بشارع جاني محافظة الشرقية
 فرع دمياط : خلف رقم ٩ الدور الرابع عبارة الرفاعي أعلى بين هك كورتش النيل - دمياط

1314771

تأيم جدول وثيقة تأمين جميع اخطار المقاولين رقم : 2187/2023 إصدار

حساب الاشتراك	
الإشتراك الصافي	1,806.00 ج.م
نصف الدفعة النسبية	99.33 ج.م
الضريبة النوعية	27.00 ج.م
مصاريف إصدار	51.42 ج.م
رسم الإشراف و الرقابة / سنة في الألف	10.84 ج.م
اشتراك صندوق حملة الوثائق / أثنان في الألف	3.61 ج.م
مقابل خدمات مراجعة و اعتماد / واحد في الألف	1.81 ج.م
اجمالي الاشتراك	2,000.00 ج.م



20/09/2023

تحريرا في

منه الله جميل

اسم المستخدم



Head Office : 25 Masadak st., Dokki - Giza
 Mohandessen Branch : 20 Wadi el Nil st., Mohandessen - Giza
 Nasr City Branch : 6 Abbas El Aqel st., Nasr City - Cairo
 Alexandria Branch : 88 Fouad st., (El Horia Road) - Alexandria
 Smouha Branch : 90 Fawzy Moad Steel - Smouha-Ski Gate Station/Alex
 El Mansoura Branch : Rowat Afia Building 2, El Gish st., El Mansoura
 Port said Branch : Block 31A, Al-Masara and Mahmoud Sedq Street - Port Said
 Ismailia Branch : Shobha Steel Auxiliary Tower - Front of Financial Directorate
 Port said Branch : Gamal Abdel Nasser Street - Agricultural Society Building - near to Shakhia Governorate
 Damietta Branch : Damieh El Nile Fourth Section, (Existed) El Riba Building, above B-Tech and Wala Bank

الخط الساخن
19685
3 من 9

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المركز الرئيسي : ٢٥ شارع مسدق - الدقي - الجيزة
 فرع المهندسين : ٢٠ ش وادي النيل - المهندسين - الجيزة
 فرع مدينة نصر : ٦ شارع عباس - المقام الحديثة - نصر - القاهرة
 فرع الإسكندرية : ٨٨ شارع فؤاد (طريق الحرة) - الإسكندرية
 فرع سموحة : ٩٠ شارع شارع فوزي مoad - سموحة - قسم سيدى جابر - الاسكندرية
 فرع المنصورة : ٩٠ شارع عوض الله رقم ٢ ش الجيلى أعلى البوك المصرى القديم - المنصورة
 فرع بورسعيد : ٨٢ شارع المأمون وسعيد سدي - قسم الشرق - برج السفا أعلى مصرف أبو قبي - بورسعيد
 فرع الإسماعيلية : شارع شيبين برج الأندلس - أمام التربية المالية
 فرع Port Said : ش جمال عبد الناصر مبنى الجمعية الزراعية بجوار مبنى محافظة للشرطة
 فرع Damietta : شقة رقم ٢ الدور الرابع عبارة الرفاعى اعلى من تلك كورتش النيل - دمناس

1314772

يعتبر ممثما لهذه الوثيقة طالب التأمين الموقع عليه من المشترك.
و تعتبر الملاحق التالية و المذكورة فيما يلي والمرقعة جزءا لا يتجزء من هذه الوثيقة.



20/09/2023

تحريرا في

بمنه الله جمال

اسم المستخدم



Head Office : 28 Maselek st., Giza - Giza
Mohandessen Branch : 20 Wadi el Nil st., Mohandessen - Giza
Nasr City Branch : 8 Abbas El Agad st., Nasr City - Cairo
Alexandria Branch : 88 Fouad st., (El Maria Road) - Alexandria
Smouha Branch : 90 Fawzy Mawaz Street, Smouha 544 Giza
El Mansoura Branch : Awad Ali Building 2, El Dakki st., El Mansoura
Port said Branch : Block 1/A, Al-Mansour and Mohamed Sadeq Street - East Section, Agafa Tower above Abu Ghwa Bank - port Said
Ismailia Branch : Shebin Street Andalus Tower - Front of Financial Directorate
Port said Branch : General Abdel Nasser Street - Agricultural Society Building, next to Sharda Governorate
Damietta Branch : Corniche El Nile Fourth Section, Damietta, El Hefi Building, above B-Tech and Wata Bank

الخط الساخن
19685 4 من 9

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المركز الرئيسي : ٢٥ شارع مصطفى - الدقي - الجيزة
فرع المحندسين : ٢٠ وادي النيل - المحندسين - الجيزة
فرع مدينة نصر : ٨ شارع عباس - المقاد مدينة نصر - القاهرة
فرع الإسكندرية : ٨٨ شارع فؤاد (طريق الحرية) - الإسكندرية
فرع سموحة : ٩٠ شارع فاروق فوزي معاد - سموحة - قسم سيدى جابر - الإسكندرية
فرع المنصورة : عمارة غوش الله رقم ٢ في الجيش أعلى البتلك شمري الخليج - المنصورة
فرع بورسعيد : قطعة ٢/أ شارع المأمون ومحمود مدني - قسم الشرق - برج ألفا أعلى سميرق أبو طير - بورسعيد
فرع الإسماعيلية : شارع شهاب برج الأندلس - أمام المديرية العامة
فرع الزقازيق : ش جمال عبد الناصر مبنى الخدمة الزراعية بيوتار مهن محافظة الشرقية
فرع دمياط : شة رقم ٢ الدور الرابع عمارة الرفاعين أعلى بريك كوتيش النيل - دمياط

1314773

تابع جدول وثيقة تأمين جميع اخطار العقوليين رقم : 2187/2023 اصدار

الشروط والتغطيات

يجب تخزين الأثاث الخشبية بما في ذلك الدعامات وخلافة - في حالة استخدامها في أعمال الخرسانية بعيدا عن المبنى أو المباني بمسافات كافية
يجب الاحتفاظ بآلة مقاومة الحريق في الموقع وان تكون جاهزة للاستعمال الفوري ومساحة للاستخدام
يجب تدريب عدد كافي من العمال تدريباً كاملاً على استخدام المعدات وبشروط تراجمهم باستمرار للتدخل الفوري
يجب تجنب استخدام صابون الحمام والتطهير في الأماكن المثلثة أو التي يكون بها مواد قابلة للاشتعال
من المعلوم والمتفق عليه لا تسري تغطية خطر السطو و / أو السرقة بالاكراد على العدد والتأمينات و المؤمن عليها إلا داخل المخازن فقط وبإلا اعتداء المسلح على الخفراء أو افراد الأمن المكلفين بالحراسة
يشترط تعيين حراسة مسلحة بصفة دائمة طوال 24 ساعة على المخازن والا سقط حق المشترك في التعويض
من المعلوم والمتفق عليه و بناء على الشروط العامة لوثيقة جميع اخطار العقوليين ان الوثيقة تغطي خطري الحريق والسطو
شروط الإملاء :
يقر المشترك بأنه مطلع على كافة شروط الوثيقة واستثناءاتها بعبارة للتأكد من انها تفي باحتياجاته التأمينية قبل سدادها الذي يعتبر قبولاً منه بكافة الشروط والاستثناءات.
انه في حالة وقوع حادث تغطية هذه الوثيقة تدفع كافة التعويضات المستحقة لمصالح الهيئة العامة للطرق والكبارى .
انه لا يجوز إجراء أي تعديل أو تغيير أو إلغاء على هذه الوثيقة الا بعد اخذ موافقة كتابية من الهيئة العامة للطرق والكبارى .
استثناء العنف السياسي والارهاب والتخريب والشغب والاضطرابات الاهلية والاضطرابات العمالية والافطار الطبيعية
استثناء الممتلكات القائمة والمحاطة بالمشروع وازالة الانقاض و الحطام
استثناء فيروس كورونا (مرفق)
استثناء الأمراض المعدية (مرفق)
المرفقات:
لا يند بالوثيقة بدون وجود رمز الاستجابة السريع "QR-CODE"
ملحق رقم 009 استثناء الخسارة والضرر أو المسؤولية الناتجة عن الزلازل (مرفق)
ملحق رقم 010 استثناء الخسارة أو الضرر أو المسؤولية الناشئة عن الفيضان أو غمر بالمياه (مرفق)
ملحق رقم 012 استثناء الخسارة أو الضرر أو التلف أو المسؤولية الناتجة عن الحواصف أو الرياح المحملة بالمياه (مرفق)
ملحق رقم 106 استعويض الخاص بالطول الاعمام المنفذ (مرفق)

شركة وثاق للتأمين التكافلي - مصر

20/09/2023

تحرير في

منه الله جمال

أسم المستخدم

1314774

تابع جدول وثيقة تأمين جميع أخطار المقاولين رقم : 2187/2023 اصدار

الشروط والتغطيات

ملحق رقم 12 شروط خاصة فيما يتعلق بمسائل مكافحة الحريق والامان من الحريق في مواقع التشييد (مرفق)



تحريرا في 20/09/2023
امم المستخدم منه الله جمال



Head Office : 25 Maselek st., Dokki - Giza
Mafnadenzen Branch : 20 Wadi el Nile, Mafnadenzen - Giza
Naer City Branch : 6 Abbas El Aqad st., Naer City - Giza
Alexandria Branch : 66 Fouad st., (El Horra Road) - Alexandria
Smouha Branch : 90 Fouad St. - Smouha - El Giza
El Mansoura Branch : Awad Afe Building 2, El Gharb St., El Mansoura
Port said Branch : Block 3/A, El Mansoura and Mahmoud Rada Street - East Section - Awad Tower above Abu Dhabi Bank - port Said
Ismailia Branch : Shoubra Street, Andalus Tower - Front of Financial Directorate
Port said Branch : General Abdel Nasser Street - Agricultural Society Building, near to Suez Canal Governorate
Damietta Branch : Corniche El Nile Fourth Section, Demnas El Ribai Building, above U-Jeck and Wafa Bank

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الخط الساخن
19685 9 من 6

المركز الرئيسي : ٢٥ شارع ماسلك - الدقي - الجيزة
فرع المنيا : ٢٠ ش وادي النيل - المنيا - الجيزة
فرع مدينة نصر : ٦ شارع عباس - المقاد - مدينة نصر - القاهرة
فرع الإسكندرية : ٨٨ شارع فؤاد (طريق الحرية) - الإسكندرية
فرع سموحة : ٩٠ شارع شارع فؤاد - سموحة - قسم سيدى جابر - الاسكندرية
فرع التمنية : ٩٠ شارع فؤاد - التمنية - قسم سيدى جابر - الاسكندرية
فرع بورسعيد : ١٧ شارع المأمون ومحمد سعدى - قسم الشرق - برج الصفا على ممر أبو ظبي - بورسعيد
فرع الإسماعيلية : شارع شيخ برج الأندلس - أمام ثانوية المائنة
فرع الزقازيق : ٢ شارع عبد القادر موسى الجمعة الزراعية بشار مبنى محافظة الشرقية
فرع دمياط : ٢ شارع الرابع عبارة الرافعي على بركة كورنيش النيل - دمياط

1314775

اصدار

2187/2023

مرققات وثيقة تأمين جميع اخطار المقاولين

المرققات

* تعتبر الشروط العامة المعمدة من الهيئة العامة للرقابة المالية لوثيقة جميع اخطار المقاولين و الملاحق التالية المرفقة جزءا لا يتجزء من هذه الوثيقة .
* شرط استثناء فيروس كورونا هذا التأمين لا يعطي أية مطالبات بالتعويض بأي حال عن أي ضرر وقع بسبب أو نتج عن: (أ) فيروس كورونا (COVID-19) (ب) فيروس كورونا المرتبط بالمتلازمة التنفسية الحادة الشديدة النوع (SARS-COV-2) (ج) أي تحويرات أو تغيرات أو سلالة تنشأ عن فيروس كورونا المرتبط بالمتلازمة التنفسية الحادة الشديدة النوع (SARS-COV-2) (د) أي خسائر مالية نتيجة خوف و/أو تهديد من جراء ما سبق اعلاه .
* شرط استثناء الأمراض المعدية من المعلوم والمتفق عليه انه بغض النظر عن أي من الشروط والاستثناءات و الاحكام و الاشتراطات المنصوص عليها في هذه الوثيقة أو أي من ملاحقها ، فإنه يستثنى كافة الخسائر والاضرار و فقد الأيراد و/أو فقد الأيراد الطارئ و التكاليف المتعلقة و الناتجة بشكل مباشر أو بشكل غير مباشر من نفشى عدوي و/أو أمراض المعدية بما في ذلك حالات التلوث و/أو اعمال التطهير و/أو اعمال التعقيم أو أي قرارات صادرة من سلطات قانونية فيما يتعلق بالاغلاق و/أو التقييد و/أو منع الوصول عند التعامل مع نفشى هذه الأمراض المعدية .
* ملحق رقم 009 استثناء الخسارة والضرر أو المسؤولية الناتجة عن الزلازل من المعلوم والمتفق عليه ، ومع عدم الإخلال بالشروط والاستثناءات والاحكام والاشتراطات المنصوص عليها في الوثيقة أو الملحق بها ، أن الشركة ليست مسئولة عن تعويض المشترك عن الخسارة أو الضرر أو المسؤولية المباشرة أو غير المباشرة المتسببة من أو الناتجة عن الزلازل .
* ملحق رقم 010 استثناء الخسارة أو الضرر أو المسؤولية الناشئة عن الفيضان أو غمر بالمياه من المعلوم والمتفق عليه ، ومع عدم الإخلال بالشروط والاستثناءات والاحكام والاشتراطات المنصوص عليها في الوثيقة أو الملحق بها ، أن الشركة ليست مسئولة عن تعويض المشترك عن الخسارة أو التلف أو المسؤولية المباشرة أو غير المباشرة المتسببة من أو الناتجة عن الفيضان أو غمر بالمياه .
* ملحق رقم 012 استثناء الخسارة أو الضرر أو التلف أو المسؤولية الناتجة عن العواصف أو الرياح المحملة بالمياه من المعلوم والمتفق عليه أن الشركة لن تعوض المشترك عن الخسارة أو التلف أو المسؤولية المباشرة أو غير المباشرة الناشئة من أو الناتجة عن العواصف التي تعادل أو تزيد عن 8 درجات على مقياس بورفورث (بمعنى أن تتجاوز سرعة الرياح على 62 كم/ساعة) أو أي خسارة أو تلف بسبب المياه المصاحبة أو الناشئة عن تلك العواصف .
* ملحق رقم 106 التعويض الخاص بأطوال الأقسام الملققة من المعلوم والمتفق عليه ، ومع عدم الإخلال بالشروط والاستثناءات و الاحكام و الاشتراطات المنصوص عليها في الوثيقة أو الملحق بها ، فإن الشركة سوف تقوم بتعويض المشترك فقط عن أي تلف أو خسارة أو مسؤولية تحدث مباشرة أو غير مباشرة للجسور و القواطع و الشدات والمصارف و القنوات و اعمال الطرق قد انشئت على أقسام لا تتعدى في مجموعها الأطوال المحددة ادناه ، وذلك بغض النظر عن حالة إتمام الأعمال المزمّن عليها ، ويكون التعويض عن أي حادث محدد

شركة وثاق للتأمين التكافلي - مصر

20/09/2023

تحريرا في

منه الله جميل

اسم المستخدم



1314776

اصدار

2187/2023

مرفقات وثيقة تأمين جميع أخطار المقاولين

- بمصاريف إصلاح تلك الأقسام .
- الحد الأقصى لطول القسم 250 متر ، وبعد أقصى 3 أقسام ويتم العمل فيها في نفس الوقت .
- * ملحق رقم 12 شروط خاصة فيما يتعلق بمسائل مكافحة الحريق والامان من الحريق في مواقع التشييد
- انه من المعلوم والمتفق عليه ومع عدم الإخلال بالشروط والاستثناءات والاحكام والاشتراطات المنصوص عليها في الوثيقة أو الملحق بها وفيما عدا ذلك فان الشركة سوف تقوم بتوفير التأمين المتكامل عن الضرر أو التلف المتسبب بصورة مباشرة أو غير مباشرة عن الحريق أو الانفجار وذلك فقط باشتراط ميللي :-
- 1) توفير معدات مكافحة الحريق المناسب ووسائل الاطفاء الكافية الصالحة للتشغيل في جميع الاوقات مع تقدم العمل .
 - 2) ان يكون هناك خط مواصلات حريق جاهزة في وضع التشغيل الكامل ممدود حتى المستوى الاقل مباشرة من المستوى الجارى العمل به وان يكون مغلق باغطية مؤقتة .
 - 3) ان يتم فحص الصلابة المتخوية على بكرات خرطوم الحريق وطفائيات الحريق اليدوية على فترات منتظمة وبما لا يقل عن مرتين كل اسبوع .
 - 4) ان يتم تركيب قواصل منع انتشار الحريق المطلوبة وفقا للأنظمة المحلية بأسرع مايمكن بعد ازالة الشدائد المستخدمة في الانشاء .
 - 5) ان يتم الخلق المؤقت لفتحات ليدار المصاعد ، النابيب ، الخدمات واى فراغات اخرى بأسرع مايمكن وبما لا يجاوز البدء في اعمال التجهيزات .
 - 6) ان يتم ازالة المخلفات بانتظام - ازالة المخلفات الثقيلة للاشغال من جميع الادوار التى يتم تجهيزها وذلك في نهاية كل يوم عمل .
 - 7) اتباع نظام (التصريح بالعمل) لجميع المقاولين المتعاقدين على (اعمال ينشأ عنها لهب) من اى نوع مثل :-
 - عمليات الجليخ ، التقطيع ، اللحام .
 - استخدام لمبات اللحام الغازية او الكهربائية .
 - استعمال البيكوبين الساخن .
 - او اى عمليات اخرى ينتج عنها سخونة .
 - 8) يتم تنفيذ العمل الحرارى فقط بوجود عامل على الاقل مزود بغطاية حريق وعنبر على مكافحة الحريق على ان يتم فحص منطقة هذه الاعمال التى ينشأ عنها لهب بعد انتهاءها بساعة .
 - 9) عند تخزين المواد المستخدمة في التشييد او التركيب يتم تقسيمها الى وحدات تخزين لا تتجاوز القيمة المبنية ادناه لكل وحدة تخزين .
 - 10) كل وحدة تخزين مسئلة يجب ان تفصل بما لا يقل عن خمسين متر او ان تفصل بحواجز مقاومة للحريق .
 - 11) يتم تخزين جميع المواد القابلة للاشتعال وخاصة السوائل او الغازات القابلة للاشتعال فى مكان بعد مسافة كبيرة مناسبة من الممتلكات تحت الانشاء او التركيب او اى اعمال ينشأ عنها لهب .
 - 12) تعيين منظم امان بالموقع .
 - 13) تركيب نظام يعتمد عليه للانذار من الحريق مع تجهيز وصلة اتصالات مباشرة مع اقرب مركز اطفاء حريق متى امكن ذلك .
 - 14) تنفيذ خطة حماية من الحريق وخطة مواجهة الحريق بالموقع عند وقوع حريق مع تحديثها بانتظام .
 - 15) ان يكون قد تم تدريب رجال المقاول على مكافحة الحريق وان تتم التدريبات العملية اسبوعيا .
 - 16) ان يكون اقرب مركز اطفاء للحريق على ذرية بموقع المشروع وان تكون هناك مداخل جاهزة له في جميع الاوقات .
 - 17) ان يحاط الموقع بسور وتكون المداخل تحت المراقبة .
- قيمة كل وحدة تخزين : 125.000 جم .



تحريرا في 20/09/2023
اسم المستخدم منه الله جمال



مطالبة بنداد

1314777

أصدار

نوع الاصدار اخطار الهندسي

نوع التأمين : جميع اخطار المقاولين
ملحق رقم :

وثيقة رقم 2187/2023

الفرع : المركز الرئيسي

إسم المشترك : شركة صن رايز للمقاولات العمومية

العنوان : شارع الحجاز القنطرة غرب - الاسماعيلية

لصالح : الهيئة العامة للطرق والكبارى

مدة التأمين : من : 20/09/2023

إلى : 19/09/2024

العملة : جم

مبلغ التأمين : 20,000,000.00

فقط عشرون مليوناً جنيه مصري

الإشتراك	1,806.00	:
نصف الدفعة النسبية	99.33	:
مصاريف الاصدار	51.42	:
الضريبة النوعية	27.00	:
رسم الإشراف و الرقابة / ستة في الألف	10.84	:
أشتراك صندوق حملة الوثائق / اثنين في الألف	3.61	:
مقابل خدمات مراجعة و اعتماد / واحد في الألف	1.81	:
إجمالي الإشتراك	2,000.00	:

(فقط ألفان جنيه مصري)



تحريراً في 20/09/2023

اسم المستخدم منه الله جمال

كود المنتج 23697 مصطفى محمد مصطفى

قيمة العمولات الأساسية قبل الاستقطاعات

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www.wethaq-egypt.com

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19685

شركة وثاق للتأمين التكافلي - مصر

Head Office : 25 Mouskik el. Dokki - Giza
 Mohandassan Branch : 30 Wjdi el Nil st., Mohandassan - Giza
 Naser City Branch : 8 Abbas El Aqar st., Naser City - Cairo
 Alexandria Branch : 89 Fouad st., (El Hama Road) - Alexandria
 Smouha Branch : 59 Tawky Most Street-Smouha-El Bahr Station/Max
 El Mansoura Branch : Awad Ala Building 2, El Gharbi el El Mansoura
 Port said Branch : Block 3/A, Al-Masara and Mahmoud Sedq Street - East Section-Araba Tower above Abu Dhabi Bank - port Said
 Ismailia Branch : Sheikh Elmal Andalus Tower - Front of El-financed Drive/roads
 Port said Branch : General Abdel Nasar Street - Agricultural Society Building, next to Shandia Government
 Damietta Branch : Cornish El Nile Toppoli Section,Damietta, El Rihai Building, above U-tech and Wafa Bank

الفرع الرئيسي : ٢٥ شارع موصكى - الدقي - الجيزة
 فرع المحندسان : ٣٠ شارع ودي النيل - المحندسان - الجيزة
 فرع مدينة ناصر : ٨ شارع عباس - القطار - مدينة ناصر - القاهرة
 فرع الإسكندرية : ٨٩ شارع فؤاد (طريق البحرية) - الإسكندرية
 فرع سموحة : ٥٩ شارع توكي ماستر - سموحة - قسم سيدى جابر - الإسكندرية
 فرع المنصورة : ٢ شارع عرض الله رقم ٢ ش. الميلى أعلى البنك المصرى الخليج - المنصورة
 فرع بورسعيد : قطعة ١/٧ شارع المأمون ومحمدة مدنى - قسم الشرق - برج الصفا أعلى مصرف أبو هادي - بورسعيد
 فرع الإسماعيلية : شارع شيبى برج الأندلس - أمام المديرية المحلية
 فرع الزقازيق : ش. جمال عبد الناصر - مبنى الجمعية الزراعية بجوار مبنى محافظة الشرقية
 فرع دمياط : شقة رقم ٢ الدور الرابع عمارة الوفاة أعلى بنك كوتش النيل - دمياط

1339009

جدول وثيقة تأمين الحوادث الشخصية

رقم الوثيقة :	1847/2023	اسم المشترك :	شركة صن رايز للمقاولات السومية
العنوان :	شارع الحجاز القنطرة غرب - الاسماعيليه	المستفيد :	الهيئة العامة للطرق والكباري
النشاطية :	تأميننا على عدد 4 افراد غير محددى الاسماء مقسمين كالآتى (عدد 1مهندس + عدد 1مساعد مهندس + عدد 1سائق مددة + عدد 1 عامل) عاملين لدى المشترك , بإجمالي مبلغ تأمين وقدره 130,000 جـ (مائة وثلاثون ألف جنيه مصري فقط لاغير) بواقع 75,000 جـ (خمسة وسبعون ألف جنيه مصري لاغير) للمهندس , 30,000 جـ (ثلاثون ألف جنيه مصري لاغير) لمساعد المهندس, 15,000 جـ (خمس عشرة ألف جنيه مصري لاغير) لسائق المددة, 10,000 جـ (عشرة آلاف جنيه مصري لاغير) للعامل, وذلك ضد خطر (الوقفة + العجز الكلى والجزئى المستديم) نتيجة حادث وذلك لقاء وحسب قيامهم بأعمالهم داخل موقع العمل فقط "من تنفيذ أعمال مشروع عند رقم (421 / 2023 / 2024) أعمال الجسر الترابى والأعمال الصناعية لمشار القنطرة الكهريولى السريع الخط الأول (المين السفلى - العاصمة الإدارية - العلمين - مطروح) قطاع (العلمين / فوكه) مراحل أعمال الحفر والتطوير وتشكيل الجسر والتأسيس والاساس المسلفة من الكم 448,600 الي الكم 449,850 بطول 1.250 كم والمؤمن عليه بموجب وثيقة جميع أخطار المقاولين رقم 2187/2023 والمصدرة من شركة وثاق للتأمين التكافلي - مصر.		
مدة التأمين :	من : 20/09/2023 إلى : 19/09/2024		
مشارك :	حساب المشترك		
جـ	430.00	الإشتراك الصالى :	
جـ	4.30	نصف التغطية الشخصية :	
جـ	11.60	الضريبة الوعية :	
جـ	50.23	مصاريف الإصدار :	
جـ	2.58	رسم الإشراف و الرقابة / مئة فى الألف :	
جـ	0.86	لشرك صلتوى حصة الوثائق/ اثنان فى الألف :	
جـ	0.43	مقابل خدمات مراجعة و اعتماد / واحد فى الألف :	
جـ	500.00	اجمالى الإشتراك	
		قطعة خمسمائة جنيه مصري	

حدود التغطية :-

الحدود للفرد	التغطية
طبقا لحدود التغطية الواردة بالتغطية التأمينية لكل فرد	الوفاة نتيجة حادث
طبقا لحدود التغطية الواردة بالتغطية التأمينية لكل فرد	العجز الكلى المستديم نتيجة حادث
طبقا لنسبة الواردة بالشروط العامة للوثيقة	العجز الجزئى المستديم نتيجة حادث
غير منطى	العجز الكلى المؤقت نتيجة حادث
غير منطى	إرجاع التغطيات الطبية نتيجة حادث

الحد الأقصى الذي تلزم به الشركة من الحادث الواحد (مهما بلغ عدد الأشخاص) :-
 الحد الأقصى الذي تلزم به الشركة خلال مدة التأمين :-

130,000.00 جـ قطعة مائة و ثلاثون ألفا جنيه مصري
 130,000.00 جـ قطعة مائة و ثلاثون ألفا جنيه مصري

تحريرا في : 20/09/2023
 تاريخ الطباعة : 20/09/2023
 إعداد : ندى محمد فهد أحمد

كود المنتج : 23687 مصطلقى محمد مصطفى



ملاحظات هذه الوثيقة :
 أ - الشروط العامة للوثيقة
 ب - تاليف لجدول الوثيقة



Head Office : 25 Maaadok st., Dokki - Giza
 Mohandeseen Branch : 20 Wadi el Nile st., Mohandeseen - Giza
 Nasr City Branch : 8 Abbas El Aqad st., Nasr City - Cairo
 Alexandria Branch : 88 Fouad st., (El Horra Road) Alexandria
 Smouha Branch : 90 Fouzy Maza Street - Smouha - El Dokki Station Area
 El Mansoura Branch : Awad Ali Building 2, El Gish st., El Mansoura
 Block 3 / A. Al-Mansouria and Mahmoud Sady Street - East Section - Al-Haram - above Abu Dhabi Bank - Port Said
 Ismailia Branch : Sheikh Saeed Amrallah Tower - Front of Financial Directorate
 Port said Branch : Gamal Abdel Nasser Street - Agricultural Society Building, next to Shoraka Government
 Damietta Branch : Cornish El Nile Fourth Section, Damietta, El Rifa'i Building, above S-Tech and Wafa Bank

الفرع الرئيسي : ٢٥ شارع مصادق - الدقي - الجيزة
 فرع القاهرة - عين : ٢٠ في وادي النيل - المحندeseen - الجيزة
 فرع مدينة نصر : ٨ شارع عباس - المقاد مدينة نصر - القاهرة
 فرع الإسكندرية : ٨٨ شارع فؤاد (طريق الحرية) - الإسكندرية
 فرع سموحة : ٩٠ شارع فاروقى حماد - سموحة - قسم سيدى جابر - الإسكندرية
 فرع المنصورة : ٩٠ شارع عوض الله رقم ٢ في الجيش أعلى أبنك القصر الطليحي - المنصورة
 فرع بورسعيد : قطعة ١/٢ شارع للباسون ومحمود مدني - قسم الشرق - برج الصدا أعلى مصرف أبو طيى - بورسعيد
 فرع الإسماعيلية : شارع شريف برج الأندلس - أمام الدبيرة الثانية
 فرع المرقاى : ش جمال عبد الناصر مبنى البسمة الزراعية بميناء ميناى محافظة الشرقية
 فرع دمياط : شقة رقم ٢ الدور الرابع عمارة الرفاعي أعلى بنك كوتشيتا النيل - دمياط

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اصدار

تأريخ جدول وثيقة تأمين الحوادث الشخصية رقم 1847/2023

الشروط والتغطيات

الشروط الخاصة

- يشترط ألا يقل عمر المؤمن عليهم عن 18 عام ولا يزيد عن 65 عام .
- يتعين على المشترك الاطلاع على كافة شروط الوثيقة واستثناءاتها بعناية لتتأكد من أنها تفي باحتياجاته التأمينية قبل سدادها ويعتبر سدادها للوثيقة بمثابة قبولاً منه بكافة شروط وأحكام الوثيقة .
- يشترط أن يكون عدد الأفراد الفعلي داخل موقع العمل لا يتعدى عدد الأفراد المؤمن عليهم بالوثيقة وإلا سقط حق المشترك في التعويض .
- تقتصر التغطية التأمينية للمادة المؤمن عليهم داخل موقع العمل فقط وأثناء تنفيذ المشروع المقدر إليه والموضح تفصيله بجدول الوثيقة .
- يتعين أن يتخذ المشترك كافة الاحتياطات والاشتراطات لضمان سلامة أرواح المؤمن عليهم .
- في حالة الوفاة نتيجة حادث مغلي تدفع كافة التعويضات لصالح الورثة الشرعيين .
- يشترط وجود علاقة عمل تربط بين المادة المؤمن عليهم والمشارك .
- لا يعتد بالوثيقة بدون وجود رمز الاستجابة السريع "QR-CODE"

الإستثناءات

- استثناء الأخطار السياسية .
- استثناء فيروس كورونا (مرفق)
- استثناء الأمراض المعدية (مرفق)



تحريراً في : 20/09/2023

تاريخ الطباعة : 20/09/2023

إعداد : ندى محمد فهم احمد

كود المنتج : 23697 مصطفى محمد مصطفى

2 من 4

مرفقات وثيقة تأمين الحوادث الشخصية رقم 1847/2023

اصيدار

1339011

• شرط استثناء الأمر اضئ المعدية

من المعلوم والمنفوق عليه انه بغض النظر عن أي من الشروط والاستثناءات و الاحكام و الاشتراطات المنصوص عليها في هذه الوثيقة او أي من ملاحقها ، فإنه يستثنى كافة الخسائر والأضرار و فقد الأيراد و/أو فقد الأيراد الطارئ و التكاليف المتعلقة و الناتجة بشكل مباشر أو بشكل غير مباشر من نقشي عدوي و/أو أمراض المعدية بما في ذلك حالات التلوث و/أو أعمال التطهير و/أو أعمال التعقيم او أي قرارات صادرة من سلطات قانونية فيما يتعلق بالإغلاق و/أو التقييد و/أو منع الوصول عند التعامل مع نقشي هذه الأمراض المعدية.

• شرط استثناء فیروز کو روٹا

هذا التامين لا يغطي أية مطالبات بالتعويض بأي حال عن أي ضرر وقع بسبب أو نتج عن:

(۱) فیروس کورونا (COVID-19)

(ب) فيروس كورونا المرتبط بالمتلازمة التنفسية الحادة الشديدة النوع (SARS-CoV-2)

ج) أي تحويرات أو تغييرات أو سلالة تنشأ عن فيروس كورونا المرتبط بالمتلازمة التنفسية الحادة الشديدة النوع (SARS-CoV-2)

(د) ای خستړه ماليه نتيجه خوف و/او تهديد من جوړه يا مسبقه اعلان

تحریر: فی : 20/09/2023

تاريخ الطبابة : 20/09/2023

إهداء: ندى محمد فهد أحمد

مصطفى محمد مصطفى	23697	كود المنتج:
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3 من 4

وہیاد
wethad

www.welliso-advnt.com E-mail:welliso@welliso-egypt.com www.facebook.com/welliso

19685

Head Office - 25, Kowloon St., DOKKI - Giza
 Mohammedan Branch - 20 Ward El Nil st. - Mohammedan - Giza
 Naar City Branch - 9 Abbas El Aged st., New City - Giza
 Alexandria Branch - 99 Fouad st. (El-Halfa Road) - Alexandria
 Smouha Branch - 90 Fouad Street - Smouha - El-Dokki Station Area
 El Mansouria Branch - Aged Alfa Building 2, El Gatch st., El Mansouria
 Port said Branch - Block 2, A. A. Mohamed, and Mohamed Sadi Street - East Section - Al-Maadia Townships Also Abu Ghark - Port Said
 Ismailia Branch - Shaban Street Andalus Street - Front of Financial Directorate
 Port said Branch - Central Abadi Nazari Street - Agricultural Society Building, next to Smouha Cinematheque
 Damietta Branch - Corniche El Nil, South Section Corniche El Nil Building, above El-Tech and Wafa Bank

19685

[illegible]

1339012

مطالبة مصاد

اصدار

نوع الاصدار : حوادث عامة

مطالبة رقم : (—)

وثيقة رقم : 1847/2023

نوع التأمين : الحوادث الشخصية

ملحق رقم :

الفرع : المركز الرئيسي

إسم المشترك : شركة صن رايز للمقاولات العمومية

العنوان : شارع الحجاز القططرة غرب - الاسماعيلية

لصالح : الهيئة العامة للطرق والكبارى

مدة التأمين : من : 20/09/2023

إلى : 19/09/2024

العملة : جنيه مصري

الإشتراك الصافي	:	430.00	جم
نصف الذمعة النسبية	:	4.30	جم
الضريبة النوعية	:	11.60	جم
مصاريف الاصدار	:	50.23	جم
رسم الإشراف و الرقابة / سنة في الألف	:	2.58	جم
إشتراك صندوق حملة الوثائق / أثنان في الألف	:	0.86	جم
مقابل خدمات مراجعة واعتماد / واحد في الألف	:	0.43	جم
إجمالي الأشتراك	:	500.00	جم
قطر خمسمائة جنيه مصري			

تحريرا في : 20/09/2023

تاريخ الطباعة : 20/09/2023

إعداد : ندى محمد فهم احمد

كود المنتج : 23697 مصطفى محمد مصطفى



قيمة العمولات الأساسية قبل الاستقطاعات 43.00 10 % شركة وثاق للتأمين التكافلي - مصر

4 من 4

مشروع القطار السريع (العلمين - فوكة)

شركة صن رايز للمقاولات العامة - من المحطة ٦٠٠ + ٤٤٨ الى المحطة ١٠٠ + ٤٥١

محضر تحديد مسافة نقل

(نقل السن SUB BALLAST)

انه في يوم الاحد الموافق :- ٢٠٢٢/١٢/١٨

- بناء علي طلب المقاول شركة صن رايز للمقاولات العامة لتحديد مسافة نقل السن SUB BALLAST من كساره (الماسه ياسين) علي طريق وادي النطرون العلمين للمشروع المذكور اعلاه

تم زيارة الموقع من قبل:-

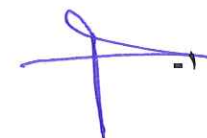
- | | |
|------------------------------------|------------------------------------|
| ١- السيد المهندس / ابراهيم الحناوي | ممثل الهيئة العامة للطرق والكباري |
| ٢- السيد المهندس / مصطفى نجم | ممثل الاستشاري مكتب د سعد الجيوشي |
| ٣- السيد المهندس / محمد خليل | ممثل استشاري المساحة مكتب (Xyz) |
| ٤- السيد المهندس / مصطفى نبيل | استشاري مكتب د. سعد الجيوشي |
| ٥- السيد المهندس / سعيد رجب | ممثل شركة صن رايز للمقاولات العامة |

وتبين ان الكساره علي مسافة ١٨٢ كم من منتصف القطاع الشركة صن رايز للمقاولات العامة

احداثي كساره (الماسه ياسين) $N 30^{\circ} 31' 44.778''$ $E 29^{\circ} 58' 30.158''$

احداثي منتصف القطاع $N 30^{\circ} 59' 46.05''$ $E 28^{\circ} 28' 15.052''$

وعلي ذلك تم توقيع،،

٥- 
٤- 
٣- 
٢- 
١- 

مشروع القطار السريع (العلمين - فوكة)

شركة صن رايز للمقاولات العامة - من المحطة ٤٤٨+٦٠٠ الى المحطة ٤٥١+١٠٠

محضر تحديد مسافة نقل

(نقل السن SUB GRADE)

انه في يوم الاحد الموافق :- ٢٠٢٢/١٢/١٨

- بناء علي طلب المقاول شركة صن رايز للمقاولات العامة لتحديد مسافة نقل السن SUB GRADE المساعد من كساره (الزيتون) علي طريق وادي النظرون العلمين للمشروع المذكور اعلاه

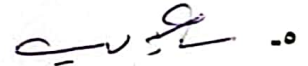
تم زيارة الموقع من قبل:-

- | | |
|------------------------------------|------------------------------------|
| ممثل الهيئة العامة للطرق والكباري | ١- السيد المهندس / ابراهيم الحناوي |
| ممثل الاستشاري مكتب د سعد الجيوشي | ٢- السيد المهندس / مصطفى نجم |
| ممثل استشاري المساحة مكتب (XYZ) | ٣- السيد المهندس / محمد خليل |
| استشاري مكتب د. سعد الجيوشي | ٤- السيد المهندس / مصطفى نبيل |
| ممثل شركة صن رايز للمقاولات العامة | ٥- السيد المهندس / سعيد رجب |

وتبين ان الكساره علي مسافة ١٤٠ كم من منتصف القطاع الشركة صن رايز للمقاولات العامة

N 30 ° 37 ' 53.468 "	E 29 ° 38 ' 43.758 "	احداثي كساره (الزيتون)
N 30 ° 59 ' 46.05 "	E 28 ° 28 ' 15.052 "	احداثي منتصف القطاع

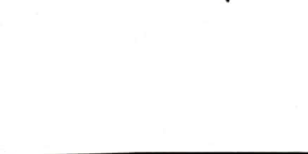
وعلي ذلك تم توقيع،،

٥- 

٤- 

٣- 

٢- 

١- 

مشروع القطار السريع (العلمين - فوكة)

شركة صن رايز للمقاولات العامة من المحطة ٦٠٠+٤٨ الى المحطة ١٠٠+٥١

محضر تحديد مسافة نقل

(نقل الاتربة)

انه في يوم الاربعاء الموافق :- ٢٠٢٢/٩/٢٨

- بناء على طلب المقاول شركة صن رايز للمقاولات العامة لتحديد مسافة نقل الاتربة من محجر المصرية الى المسار الجديد (بعد التعديل بمدينة الضبعة)
للمشروع المذكور أعلاه.

تم زيارة الموقع من قبل:-

- | | |
|------------------------------------|------------------------------------|
| ١- السيد المهندس / ابراهيم الحناوي | ممثل الهيئة العامة للطرق والكباري |
| ٢- السيد المهندس / مصطفى نجم | ممثل الاستشاري مكتب د سعد الجيوشي |
| ٣- السيد المهندس / محمد خليل | ممثل استشاري المساحة مكتب (Xyz) |
| ٤- السيد المهندس / مصطفى نبيل | استشاري مكتب د. سعد الجيوشي |
| ٥- السيد المهندس / سعيد رجب | ممثل شركة صن رايز للمقاولات العامة |

وتبين ان محجر المصرية علي مسافة ٢٠٣ كم من منتصف المسار الجديد لشركة صن رايز للمقاولات العام

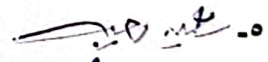
N 30° 33 ' 19.7 " E 29° 45 ' 06.7 "

احداثي محجر المصرية

N 30° 59 ' 46.05 " E 28° 28 ' 15.052 "

احداثي منتصف القطاع الجديد

وعلي ذلك تم توقيع،،

٥- 
٤- 
٣- 
٢- 