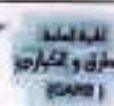


# REQUEST to POUR CONCRETE



## Green Line

Location Name		Contractor Company	Designer Company
Km 388+000 to 389+000 (REV 29)		DREAM WAY	SPECTRUM
Km 388+183.86 to 389+183.86 (REV 32)		(SS-B-DW)	
Contractor ISSUED	Name	Sign	Date
	Eng. El Saeed Mohammed		8/03/2024
Contractor Reference	IR FOR CONCRETE		Designation
	(SS-B-DW)(R-PC-13)		Revision 00
THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW			
Mix Approval Reference			
Concrete Pour Title	(388+964 to 389+000) (REV 29)		
	(389+147.86 to 389+183.86) (REV 32)		
	Inspection and Surveying for Slope Protection Right Side (Bottom Beam)		
Concrete Type:	Grout Mix <input type="checkbox"/>	Lean Mix <input type="checkbox"/>	Structural Mix <input checked="" type="checkbox"/>
	Grade: C 23		
PRESTART CHECKLIST <input checked="" type="checkbox"/> plus attachments			
IR Approved	(R.SP13-BC)	Plant & equipment available	<input checked="" type="checkbox"/>
Mix Approved	<input checked="" type="checkbox"/>	Back up equipment available	<input checked="" type="checkbox"/>
Setting out Survey Approved	<input checked="" type="checkbox"/>	Cast in items secure	<input checked="" type="checkbox"/>
Temp Works Approved	<input checked="" type="checkbox"/>	Access route clear	<input checked="" type="checkbox"/>
Formwork Checked	<input checked="" type="checkbox"/>	Work area safe to progress	<input checked="" type="checkbox"/>
Start Time for Pour:		Concrete Volume:	10.80 m³
Contractor Approve Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation
	Eng. EL SAEED MOHAMMED		Mechanical
			Electrical
			Plumbing
			Systems
Contractor Comments:			

Note: All boxes must be completed or marked N/A where applicable. Permission to proceed does not relieve contractor from full compliance with contractual obligation.

ER	ER Received	Name	Sign	Date	Designation
	ER Expert Agree Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date
				Mechanical	
				Electrical	
			Plumbing		
			Systems		
ER Comments:					
1-pouring done under supervision of GARBU Consultant					
2-Find approved subjected to 28 days test result					
ALL	Permission to Proceed				
	Organisation	Name	Sign	Designation	Date
	Contractor QA/QC	Eng.Mazen Esamy			8/03/2024
	GARB*	Eng.Margret Magdy			
	Employer Representative	Eng.Alaa Abd-Allatif			8-3-2024 AWC

\* Alignment / Bridges/ Culverts Only



# REQUEST TO POUR CONCRETE



## Green Line

Location Name		Contractor Company		Design Company	
Km 388+000 to 389+000 (REV 29)		DR. AMR WAGDY		SPECTRUM	
Km 389+183.86 to 389+183.86 (REV 32)		(15-B-00W)		SPECTRUM	
Contractor ISSUED	Eng. El Saied Mohamed	Sign		Date	8/03/2024
Contractor Reference	IS FOR CONCRETE			Revision	9:00 AM

THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Mix Approval Reference		Concrete Pour Title		Concrete Type	
		(388+564 to 389+000) (REV 29)		(389+147.86 to 389+183.86) (REV 32)	
		Inspection and Surveying for Slope Protection Right Side (Top Slab and Slope)		Inspection and Surveying for Slope Protection Right Side (Top Slab and Slope)	
Concrete Type		Is Approved	Concrete Mix ID	Form Mix ID	Grade
Prestress Offshoot R1 Mix (15-B-00W)		is 15-B-00W			
Mix Approved					
Setting out Survey Approved					
Terms Works Approved					
Formwork Checked					
Start Time for Pour					Concrete Volume: 15.51 m³
Contractor Approve Pour ready to start		Name	Sign	Designation	Date
Deliver 2 but		Eng. El Saied Mohamed		Manager	8/03/2024
Applicable				Structural	
				Plumbing	
				Systems	
Contractor Comments:					

Note: All Boxes must be completed or marked N/A where applicable. Permission to proceed does not release contractor from full compliance with contractual obligation.

ER Reviewed		Sign	Date	Designation
ER Expert Agree Pour ready to start		Sign		Date
Deliver 2 but				
Applicable				
ER Comments:				
1-pouring done under supervision of Green Line				
2-Pour approved subjected to 28 days test result				
Permission to Proceed				
Organization	Name	Sign	Designation	Date
Contractor DA/OC	Eng. Marwan Elwanly			8/03/2024
QA/QC	Eng. Margaret Magedy			A
Employer Representative	Eng. Alaa Abd Elhadi			8-3-2024

Approved / Engineer / Green Line



Project No. 16  
 Customer Code 200  
 Quantity 9 kg  
 Customer Name 44444444  
 Via Office  
 Character  
 Character Address  
 Driver Name

Date 6/9/2018  
 Time 9:05:22 am  
 Customer Address VI  
 Via No. 5  
 Service  
 Transporter 5

Standard Name	Formula Required	Unit Required	Required with Quantity	Quantity %	Total	Tolerance	Reference %	Reference
AL2O3	580	0.120	61.20	0%	61.20	0	0.1%	1%
AL2O3	0	0	0	0%	0	0	0.0%	1%
AL2O3	450	3150	3150	0%	3150	0	0.1%	1%
AL2O3	620	4550	4550	0%	4550	0	0.2%	1%
Fe2O3	165	1195	1195	0%	1195	0	0.4%	1%
Fe2O3	5.5	18.5	18.5	0%	18.5	0	0.1%	1%
Fe2O3	0	0	0	0%	0	0	0.0%	1%
CaO	350	2450	2450	0%	2450	0	0.1%	1%
Total				100.0%	10117.4	0	0.3%	1%





Category	Count	Percentage
Category 1	10	10.0%
Category 2	20	20.0%
Category 3	30	30.0%
Category 4	40	40.0%
Category 5	50	50.0%

Accepted Manuscript	Preparation Required	Total Required	Required Velocity (m/s)	Required Nucleation	Total Nucleation	Difference	Difference %	Efficiency
AC24	882	6130	1130	28	4761.3	0	0.0%	1%
AC22	0	0	0	28	0	0	0.0%	1%
AC18	4160	3160	1110	108	1150	0	0.0%	1%
AC16	850	4550	4550	28	4522	0	0.2%	1%
AC14	145	1185	1135	0	1135	0	0.2%	1%
AC04	5.5	18.5	18.5	0	18.7	0	0.3%	1%
AC02	0	0	0	0	0	0	0.0%	1%
CA1	510	2460	2460	0	2460	0	0.4%	1%
TOTAL	2303.5	21463.5	17063.5		16127			



تاریخ: ۱۴۰۲/۰۵/۰۵  
محل: تهران

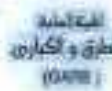


Date Page Customer Address: Fax No. Service Parameters	7/1 1 100000 1000 52.64d none 71 8
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# REQUEST to POUR CONCRETE



## Green Line

CONTRACTOR	Location Name		Contractor Company		Designer/Company		
	Km 388+000 to 389+000 (REV 29) Km 388+183.86 to 389+183.86 (REV 32)		DREAM WAY (SS-B-DW)		SPECTRUM		
	Contractor ISSUED	Name	Sign	Date	Designation		
		Eng. El Saeed Mohammed		25/01/2024	9:00 AM		
	Contractor Reference	IR FOR CONCRETE (SS-B-DW)(R-SP2-03)				Revision 00	
	THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW						
	Mix Approval Reference						
	Concrete Pour Title		(388+132 to 388+172) (REV 29) (388+315.86 to 388+355.86) (REV 32) Inspection and Surveying for Slope Protection Right Side (Bottom Beam)				
	Concrete Type:		Grout Mix <input type="checkbox"/>	Lean Mix <input type="checkbox"/>	Structural Mix <input checked="" type="checkbox"/>	Grade: C25	
	PRESTART CHECKLIST <input checked="" type="checkbox"/> plus attachments						
IR Approved		(R,SP3-BC)	Plant & equipment available		<input checked="" type="checkbox"/>		
Mix Approved		<input checked="" type="checkbox"/>	Back up equipment available		<input checked="" type="checkbox"/>		
Setting out Survey Approved		<input checked="" type="checkbox"/>	Cast in items secure		<input checked="" type="checkbox"/>		
Temp Works Approved		<input checked="" type="checkbox"/>	Access route clear		<input checked="" type="checkbox"/>		
Formwork Checked		<input checked="" type="checkbox"/>	Work area safe to progress		<input checked="" type="checkbox"/>		
Start Time for Pour:				Concrete Volume:		12.00 m³	
CONTRACTOR Approve Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date			
	Eng. EL SAEED MOHAMMED		Mechanical	25/01/2024			
			Electrical				
			Plumbing				
			Systems				
Contractor Comments:							

Note: All boxes must be completed or marked N/A where applicable. Permission to proceed does not relieve contractor from full compliance with contractual obligation.

ER	ER Received	Name	Sign	Date	Designation
	ER Expert Agree Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date
				Mechanical	
				Electrical	
				Plumbing	
ER Comments:					
1-pouring done under supervision of GARB Consultant. 2-Find approved subjected to 28 days test result.					
ALL	Permission to Proceed				
	Organisation	Name	Sign	Designation	Date
	Contractor QA/QC	Eng.Mazen Esamy			25/01/2024
	GARB*	Eng.Margret Magdy			
	Employer Representative	Eng.Alaa Abd-Allatif			25-1-2024
A-AWC-R A AWC					

\* Aligners / Bridges/ Culverts Only



# REQUEST to POUR CONCRETE



Green Line		معلومات المشروع	
Location Name		Contractor Company	Designer Company
Km 388+000 to 389+000 (REV 29) Km 388+183.86 to 389+183.86 (REV 32)		DREAM WAY (S5-B-DW)	SPECTRUM
Contractor ISSUED	Name	Sign	Date
	Eng. El Saeed Mohammed		25/01/2024
Contractor Reference	IR FOR CONCRETE (S5-B-DW) (RSP-03)		Designation 9:00 AM
Revision			
THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW			
Mix Approval Reference			
Concrete Pour Title (388+132 to 388+172) (REV 29) (388+315.86 to 388+355.86) (REV 32) Inspection and Surveying for Slope Protection Right Side ( Top Slabs and Slope )			
Concrete Type:	Grout Mix <input type="checkbox"/>	Lean Mix <input type="checkbox"/>	Structural Mix <input type="checkbox"/>
Grade:			
PRESTART CHECKLIST <input checked="" type="checkbox"/> plus attachments			
IR Approved	(R.SP3-TC)	Plant & equipment available	
Mix Approved		Back up equipment available	
Setting out Survey Approved		Cast in items secure	
Temp Works Approved		Access route clear	
Formwork Checked		Work area safe to progress	
Start Time for Pour:		Concrete Volume:	22.03 m³
Contractor Approve Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation
	Eng.EL SAEED MOHAMMED		Mechanical
			Electrical
			Plumbing
			Systems
Contractor Comments:			

**Note:** All boxes must be completed or marked N/A where applicable. Permission to proceed does not relieve contractor from full compliance with contractual obligation.

ER	ER Received	Name	Sign	Date	Designation
ER	ER Expert Agree Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date
				Mechanical	
				Electrical	
				Plumbing	
				Systems	
ER Comments:					
1-pouring done under supervision of GARB Consultant 2-Final approved subjected to 28 days test result					
ALL	Permission to Proceed				
	Organisation	Name	Sign	Designation	Date
	Contractor QA/QC	Eng.Mazen Esamy			25/01/2024
	GARB*	Eng.Margret Magdy			
	Employer Representative	Eng.Alaa Abd-Allatif			26-1-2024

\* Alignment / Bridges/ Culverts Only



Product No: 16  
 Concrete Class: 350  
 Quantity: 8 M  
 Customer Name: dreamway  
 Tax Office:  
 Charter:  
 Charter Address:  
 Driver Name:

Date: 26/1/2024  
 Time: 9:03:12 AM  
 Customer Address: alamein  
 Tax No: 91  
 Service:  
 Transmitter: 5

Material Names	Formula Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4757	0	0.1%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3156	0	0.2%	1%
AGR4	650	4550	4550	0%	4559	0	0.2%	1%
WATER	165	1155	1155		1160	0	0.4%	1%
ADD1	5.5	38.5	38.5		38.4	0	0.3%	1%
ADD2	0	0	0		0	0	0.0%	1%
CM1	350	2450	2450		2457	0	0.3%	1%
TOTALS :	2300.5	17463.5	17463.5		16127.4			





Product No: 16  
 Concrete Class: 350  
 Quantity: 9 M  
 Customer Name: dreamway  
 Tax Office:  
 Charter:  
 Charter Address:  
 Driver Name:

Date: 26/1/2024  
 Time: 9:35:14 AM  
 Customer Address: alamein  
 Tax No: 81  
 Service:  
 Transmitter: 5

Material Names	Formule Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4761.5	0	0.0%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3150	0	0.0%	1%
AGR4	650	4550	4550	0%	4563	0	0.3%	1%
WATER	165	1155	1155		1157	0	0.2%	1%
ADD1	5.5	38.5	38.5		38.7	0	0.3%	1%
ADD2	0	0	0		0	0	0.0%	1%
CM1	350	2450	2450		2459	0	0.4%	1%
TOTALS:	2300.5	17463.5	17463.5		16129.2			





Product No: 16
   
 Concrete Class : 350
   
 Quantity: 9 M
   
 Customer Name: dreamway
   
 Tax Office:
   
 Charter:
   
 Charter Address:
   
 Driver Name:

Date: 26/1/2024
   
 Time: 10:07:12 AM
   
 Customer Address: wamein
   
 Tax No: 51
   
 Service:
   
 Transmitter: 5

Material Names	Formula Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4786	0	0.1%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3158	0	0.3%	1%
AGR4	650	4550	4550	0%	4338	0	0.2%	1%
WATER	165	1155	1155		1156	0	0.1%	1%
ADD1	5.5	38.5	38.5		38.7	0	0.5%	1%
ADD2	0	0	0		0	0	0.0%	1%
CN1	350	2450	2450		2455	0	0.2%	1%
TOTALS :	2300.5	17463.5	17463.5		16131.7			



ذريم واتر للمقاولات العامة  
 بشاره نه لحدية واحة لوتس  
 ٢٢٨-٠٣٩-٢٠٤١



Product No: 16
   
 Concrete Class : 350
   
 Quantity: 9 M
   
 Customer Name: dreamway
   
 Tax Office:
   
 Chandler:
   
 Chandler Address:
   
 Driver Name:

Date: 26/1/2024
   
 Time: 11:01:12 AM
   
 Customer Address: alamein
   
 Tax No: 25
   
 Service:
   
 Transmitter: 3

Material Names	Formula Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4766	0	0.1%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3155	0	0.2%	1%
AGR4	680	4560	4560	0%	4557	0	0.2%	1%
WATER	165	1155	1155		1157	0	0.2%	1%
ADD1	5.5	38.5	38.5		38.7	0	0.5%	1%
ADD2	0	0	0		0	0	0.0%	1%
CM1	350	2450	2450		2456	0	0.2%	1%
TOTALS :	2300.5	17463.5	17463.5		16129.7			





# REQUEST to POUR CONCRETE



## Green Line

CONTRACTOR	Location Name		Contractor Company		Designer Company		
	Km 388+000 to 389+000 (REV 29) Km 388+183.86 to 389+183.86 (REV 32)		DREAMWAY (SS-B-DW)		SPECTRUM		
	Contractor ISSUED	Name	Sign	Date	Designation		
		Eng. El Saeed Mohammed		07/02/2024	9:00 AM		
	Contractor Reference	IR FOR CONCRETE (SS-B-DW)(R-PC-06)				Revision 00	
	THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW						
	Mix Approval Reference						
	Concrete Pour Title		(388+280 to 388+316) (REV 29) (388+463.86 to 388+499.86) (REV 32) Inspection and Surveying for Slope Protection Right Side (Bottom Beam)				
	Concrete Type:		Grout Mix <input type="checkbox"/>	Lean Mix <input type="checkbox"/>	Structural Mix <input checked="" type="checkbox"/>	Grade: C25	
	PRESTART CHECKLIST <input checked="" type="checkbox"/> plus attachments						
IR Approved		(R.SP6-BC)	Plant & equipment available		<input checked="" type="checkbox"/>		
Mix Approved		<input checked="" type="checkbox"/>	Back up equipment available		<input checked="" type="checkbox"/>		
Setting out Survey Approved		<input checked="" type="checkbox"/>	Cast in items secure		<input checked="" type="checkbox"/>		
Temp Works Approved		<input checked="" type="checkbox"/>	Access route clear				
Formwork Checked		<input checked="" type="checkbox"/>	Work area safe to progress				
Start Time for Pour:				Concrete Volume:		10.80 m³	
Contractor Approve Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date			
	Eng. EL SAEED MOHAMMED		Mechanical	07/02/2024			
			Electrical				
			Plumbing				
			Systems				
Contractor Comments:							

Note: All boxes must be completed or marked N/A where applicable. Permission to proceed does not relieve contractor from full compliance with contractual obligation.

ER	ER Received	Name	Sign	Date	Designation	
	ER Expert Agree Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date	
				Mechanical		
				Electrical		
				Plumbing		
ER Comments:						
1-pouring done under supervision of GARB Consultant. 2-Find approved subjected to 28 days test result.						
ALL	Permission to Proceed					
	Organisation	Name	Sign	Designation	Date	A-AWC-R
	Contractor QA/QC	Eng.Mazen Esamy			07/02/2024	A
	GARB*	Eng.Margret Magdy				
	Employer Representative	Eng.Alaa Abd-Allatif			7-2-2024	AWC

\* Alignment / Bridges/ Culverts Only



# REQUEST to POUR CONCRETE



## Green Line

Location Name		Contractor Company		Designer Company	
Km 388+000 to 389+000 (REV 29) Km 388+183.86 to 389+183.86 (REV 32)		DREAM WAY (S5-B-DW)		SPECTRUM	
Contractor ISSUED	Name	Sign	Date	Designation	
	Eng. El Saeed Mohammed		07/02/2024	9:00 AM	
Contractor Reference	IR FOR CONCRETE (S5-B-DW) (A-SP-06)				Revision
THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW					
Mix Approval Reference					
Concrete Pour Title	{388+280 to 388+316} (REV 29) {388+463.86 to 388+499.86} (REV 32) Inspection and Surveying for Slope Protection Right Side ( Top Slabs and Slope )				
Concrete Type:	Grout Mix <input type="checkbox"/>	Lean Mix <input type="checkbox"/>	Structural Mix <input type="checkbox"/>	Grade:	
PRESTART CHECKLIST <input checked="" type="checkbox"/> plus attachments					
IR Approved	(R.SP6-TC)	Plant & equipment available			
Mix Approved		Back up equipment available			
Setting out Survey Approved		Cast in items secure			
Temp Works Approved		Access route clear			
Formwork Checked		Work area safe to progress			
Start Time for Pour:		Concrete Volume:		17.46 m³	
Contractor Approve Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date	
	Eng.EL SAEED MOHAMMED		Mechanical	07/02/2024	
			Electrical		
			Plumbing		
			Systems		
Contractor Comments:					

Note: All boxes must be completed or marked N/A where applicable. Permission to proceed does not relieve contractor from full compliance with contractual obligation.

ER	ER Received	Name	Sign	Date	Designation
	ER Expert Agree Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date
			Mechanical		
			Electrical		
		Plumbing			
		Systems			
ER Comments:					
1-pouring done under supervision of GARB Consultant. 2-Find approved subjected to 28 days test result.					
ALL	Permission to Proceed				
	Organisation	Name	Sign	Designation	Date
	Contractor QA/QC	Eng.Mazen Esamy			07/02/2024
	GARB*	Eng.Margret Magdy			
	Employer Representative	Eng.Alaa Abd-Allatif			7-2-2024 Aut

\* Alignment / Bridges/Culverts Only





521-170-290  
CR 25995

Product No: 16  
Concrete Class: 350  
Quantity: 9 M  
Customer Name: dreamway  
Tax Office:  
Chantier:  
Chantier Address:  
Driver Name:

Date: 7/2/2024  
Time: 9:03:12 AM  
Customer Address: alamein  
Tax No: \$  
Service:  
Transmission: 5

Material Names	Formula Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4766	0	0.1%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3152	0	0.1%	1%
AGR4	650	4550	4550	0%	4557	0	0.2%	1%
WATER	165	1155	1155		1159	0	0.3%	1%
ADD1	5.5	38.5	38.5		38.6	0	0.3%	1%
ADD2	0	0	0		0	0	0.0%	1%
CM1	350	2450	2450		2459	0	0.4%	1%
TOTALS:	2300.5	17463.5	17463.5		16131.6			





Product No: 16
   
 Concrete Class: 350
   
 Quantity: 9 M
   
 Customer Name: dreamway
   
 Tax Office:
   
 Client:
   
 Client Address:
   
 Driver Name:

Date: 7/2/2024
   
 Time: 10:52:12 AM
   
 Customer Address:
   
 Tax No: 51
   
 Service:
   
 Transmitter: 5

Material Names	Formula Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4766	0	0.1%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3155	0	0.2%	1%
AGR4	650	4550	4550	0%	4553	0	0.1%	1%
WATER	165	1155	1155		1157	0	0.2%	1%
ADD1	5.5	38.5	38.5		38.7	0	0.5%	1%
ADD2	0	0	0		0	0	0.0%	1%
CM1	350	2450	2450		2456	0	0.2%	1%
TOTALS:	2300.5	17463.5	17463.5		16125.7			





Product No: 16
   
 Concrete Class : 350
   
 Quantity: 8 M
   
 Customer Name: dreamway
   
 Tax Office:
   
 Chantier:
   
 Chantier Address:
   
 Driver Name:

Date: 7/2/2024
   
 Time: 11:05:12 AM
   
 Customer Address: almanin
   
 Tax No: 81
   
 Service:
   
 Transmission: 5

Material Names	Formula Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4766	0	0.1%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3155	0	0.2%	1%
AGR4	650	4550	4550	0%	4570	0	0.4%	1%
WATER	165	1155	1155		1157	0	0.2%	1%
ADD1	5.5	38.5	38.5		38.6	0	0.3%	1%
ADD2	0	0	0		0	0	0.0%	1%
CM1	350	2450	2450		2456	0	0.2%	1%
TOTALS :	2300.5	17463.5	17463.5		16142.6			







S21-170-230  
C/A 25936

Product No: 15  
Concrete Class: 350  
Quantity: 9 M  
Customer Name: dreamway  
Tax Office:  
Chandler:  
Chandler Address:  
Driver Name:

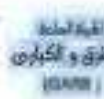
Date: 7/2/2024  
Time: 11:58:12 AM  
Customer Address: alamein  
Tax No: 93  
Service:  
Transmission: 5

Material Names	Formula Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4771	0	0.2%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3149	0	0.0%	1%
AGR4	650	4550	4550	0%	4550	0	0.0%	1%
WATER	165	1155	1155		1163	0	0.7%	1%
ADD1	5.5	38.5	38.5		38.6	0	0.3%	1%
ADD2	0	0	0		0	0	0.0%	1%
CM1	310	2450	2450		2455	0	0.2%	1%
TOTALS :	2300.5	17463.5	17463.5		16126.6			





• REQUEST to  
POUR  
CONCRETE



Green Line

Location Name		Contractor Company		Designer Company	
Km 388+000 to 389+000 (REV 29)		DREAM WAY (S5-B-DW)		SPECTRUM	
Km 388+183.86 to 389+183.86 (REV 32)		Sign		Date	Designation
Contractor ISSUED	Name Eng. El Saeed Mohammed	06/02/2024		9:00 AM	
Contractor Reference	IR FOR CONCRETE (S5-B-DWXR-PC-05)				Revision 00
THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW					
Mix Approval Reference					
Concrete Pour Title	(388+240 to 388+280) (REV 29) (388+423.86 to 388+463.86) (REV 32) Inspection and Surveying for Slope Protection Right Side ( Top Slabs and Slope )				
Concrete Type:	Grout Mix <input type="checkbox"/>	Lean Mix <input type="checkbox"/>	Structural Mix <input checked="" type="checkbox"/>	Grade: C25	
PRESTART CHECKLIST <input checked="" type="checkbox"/> plus attachments					
IR Approved	(R.SPS-TC)	Plant & equipment available		<input checked="" type="checkbox"/>	
Mix Approved	<input checked="" type="checkbox"/>	Back up equipment available		<input checked="" type="checkbox"/>	
Setting out Survey Approved	<input checked="" type="checkbox"/>	Cast in items secure		<input checked="" type="checkbox"/>	
Temp Works Approved	<input checked="" type="checkbox"/>	Access route clear		<input checked="" type="checkbox"/>	
Formwork Checked	<input checked="" type="checkbox"/>	Work area safe to progress		<input checked="" type="checkbox"/>	
Start Time for Pour:		Concrete Volume:		15.49 m <sup>3</sup>	
Contractor Approve Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date	
	Eng.EL SAEED MOHAMMED		Mechanical	06/02/2024	
			Electrical		
			Plumbing		
			Systems		
Contractor Comments:					

Note: All boxes must be completed or marked N/A where applicable. Permission to proceed does not relieve contractor from full compliance with contractual obligation.

ER	ER Received	Name	Sign	Date	Designation
	ER Expert Agree Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date
			Mechanical		
			Electrical		
		Plumbing			
		Systems			
ER Comments:					
1-pouring done under supervision of GARB Consultant					
2-Find approved subjected to 28 days test result					
ALL	Permission to Proceed				
	Organisation	Name	Sign	Designation	Date
	Contractor QA/QC	Eng.Mazen Esamy			06/02/2024
	GARB*	Eng.Margret Magdy			
	Employer Representative	Eng.Alaa Abd-Allatif			6-2824 AWC

\* Alignment / Bridges/ Culverts Only



# REQUEST to POUR CONCRETE



## Green Line

CONTRACTOR	Location Name		Contractor Company		Designer Company		
	Km 388+000 to 389+000 (REV 29) Km 388+183.86 to 389+183.86 (REV 32)		DREAM WAY (SS-B-DW)		SPECTRUM		
	Contractor ISSUED	Name	Sign	Date	Designation		
		Eng. El Saeed Mohammed		06/02/2024	9:00 AM		
	Contractor Reference	IR FOR CONCRETE (SS-B-DW) (R-SP-05)				Revision	
	THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW						
	Mix Approval Reference						
	Concrete Pour Title		(388+240 to 388+280) (REV 29) (388+423.86 to 388+463.86) (REV 32) Inspection and Surveying for Slope Protection Right Side (Bottom Beam)				
	Concrete Type:		Grout Mix <input type="checkbox"/>	Lean Mix <input type="checkbox"/>	Structural Mix <input type="checkbox"/>	Grade:	
	PRESTART CHECKLIST <input checked="" type="checkbox"/> plus attachments						
IR Approved		(R.SPS-BC)	Plant & equipment available				
Mix Approved			Back up equipment available				
Setting out Survey Approved			Cast in items secure				
Temp Works Approved			Access route clear				
Formwork Checked			Work area safe to progress				
Start Time for Pour:				Concrete Volume:		12 m³	
Contractor Approve Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date			
	Eng. EL SAEED MOHAMMED		Mechanical	06/02/2024			
			Electrical				
			Plumbing				
			Systems				
Contractor Comments:							

Note: All boxes must be completed or marked N/A where applicable. Permission to proceed does not relieve contractor from full compliance with contractual obligation.

ER	ER Received	Name	Sign	Date	Designation	
	ER Expert Agree Pour Ready to Start Delete if Not Applicable	Name	Sign	Designation	Date	
				Mechanical		
				Electrical		
				Plumbing		
ALL	ER Comments:					
	1-pouring done under supervision of GARB Consultant					
	2-Find approved subjected to 28 days test result.					
	Permission to Proceed					
	Organisation	Name	Sign	Designation	Date	A-AWC-R
ALL	Contractor QA/QC	Eng. Mazen Esamy			06/02/2024	A
	GARB*	Eng. Margret Magdy				
	Employer Representative	Eng. Alaa Abd-Allatif			6-2-2024	AWC

\* Alignment / Bridges/ Culverts Only



Product No: 15
   
 Contract Class: 350
   
 Quantity: 9 Mt
   
 Customer Name: dreamway
   
 Tax Office:
   
 Charter:
   
 Charter Address:
   
 Driver Name:

Date: 6/2/2024
   
 Time: 9:03:12 AM
   
 Customer Address: alamein
   
 Tax No: 91
   
 Service:
   
 Transmitter: 1

Material Names	Formula Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4757	0	0.1%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3156	0	0.2%	1%
AGR4	650	4550	4550	0%	4559	0	0.2%	1%
WATER	185	1155	1155		1160	0	0.4%	1%
ADD1	5.5	38.5	38.5		38.4	0	0.3%	1%
ADD2	0	0	0		0	0	0.0%	1%
CM1	350	2450	2450		2457	0	0.3%	1%
TOTALS :	2300.5	17463.5	17463.5		16127.4			





Product No: 16
   
 Concrete Class : 350
   
 Quantity: 9 M
   
 Customer Name: dreamway
   
 Tax Office:
   
 Client:
   
 Client Address:
   
 Driver Name:

Date: 6/2/2024
   
 Time: 9:25:14 AM
   
 Customer Address: alamein
   
 Tax No: 91
   
 Service:
   
 Translated: 5

Material Names	Formula Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4761.5	0	0.0%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3150	0	0.0%	1%
AGR4	650	4550	4550	0%	4563	0	0.3%	1%
WATER	165	1155	1155		1157	0	0.2%	1%
ADD1	5.5	38.5	38.5		38.7	0	0.3%	1%
ADD2	0	0	0		0	0	0.0%	1%
CM1	350	2450	2450		2459	0	0.4%	1%
TOTALS :	2300.5	17463.5	17463.5		16129.2			



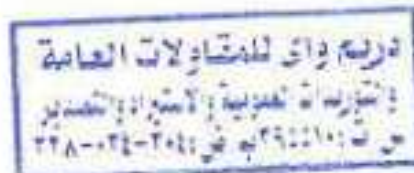






Product No:	16	Date:	6/2/2024
Concrete Class :	350	Time:	11:01:12 AM
Quantity:	9 M	Customer Address:	alameln
Customer Name:	dreamway	Tax No:	91
Tax Office:		Service:	
Chamber:		Transmitter:	5
Chamber Address:			
Driver Name:			

Material Names	Formula Required	Total Required	Required With Humidity	Humidity %	Total Measurement	Tolerance	Difference %	Difference Max%
AGR1	680	6120	6120	0%	4766	0	0.1%	1%
AGR2	0	0	0	0%	0	0	0.0%	1%
AGR3	450	3150	3150	0%	3155	0	0.2%	1%
AGR4	680	4550	4550	0%	4557	0	0.2%	1%
WATER	165	1155	1155		1157	0	0.2%	1%
ADD1	5.5	38.5	38.5		38.7	0	0.5%	1%
ADD2	0	0	0		0	0	0.0%	1%
CM1	350	2450	2450		2456	0	0.2%	1%
TOTALS :	2300.5	17463.5	17463.5		16129.7			





# SUBMISSION OF TEST RESULTS



Location Name		Contractor Company		Designer Company													
Km 388+000 to 389+000 Km Km 388+183.86 to 389+183.86 Km		DREAM WAY FOR GENERAL CONTRACTING		SPECTRUM													
Issued by Contractor	Name	Sign	Date/Serial Number	Time													
Eng. ELKASEED MOHAMMED			SS-B-DW 04/04/2024	12 PM													
Contractor Reference	EET-EW 044 SPECTRUM			Revision													
Received by ER	SMA			<table border="1"> <tr> <td>REV</td> <td>DATE</td> <td>BY</td> <td>CHK</td> <td>DATE</td> <td>BY</td> </tr> <tr> <td>01</td> <td>04/04/2024</td> <td>0.1</td> <td>04</td> <td>2024</td> <td>10</td> </tr> </table>		REV	DATE	BY	CHK	DATE	BY	01	04/04/2024	0.1	04	2024	10
REV	DATE	BY	CHK	DATE	BY												
01	04/04/2024	0.1	04	2024	10												

Net Package 1 Only (Package 2 via Annex)

## THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Description of Test: The Test Result of Concrete Cubes (C25/30/350 (after 7 & 28) days.

Materials:

Location of Test	SR (388+000 to 389+000) SR (388+000 to 389+000) to 389+183.86) (M20)	REQ'D	Test Result Attachment	Remarks
Item	Specification	Test Requirement		
1	TEST RESULTS (7) DAYS	COMPRESSION	Attached	
2	TEST RESULTS (28) DAYS	COMPRESSION	Attached	
3				
4				
5				

Comments by: Eng. Maen Essawy (SPECTRUM)

Comments by: Eng. Alaa Abd-Alsattar (ER)

<p>1-The C.S.T Test Result is Approved.</p> 	<p>1- Test was carried- out by material engineer for both contractor and GARB Consultant.</p> <p>2- Results report attached and acceptable with project specifications.</p>
--	---

APPROVAL STATUS				
Organization	Name	Sign	Date	Remarks
Contractor	Eng. Elkaeed Mohammed			A
Designer	Eng. Maen Essawy			A
GARB	Eng. Mergret Magdy			
Employers Representative	Eng. Alaa Abd-Alsattar			A

أرسله وانظر النتائج في النظام  
مراجعة المهندس محمد الكاظمي  
مراجعة المهندس محمد الكاظمي



Quality Control Department  
Compression Test Report

**THE UNIVERSITY OF CHICAGO PRESS**

اسماء بنت ابی بکر

المحاور

(PARENT SIDE)

1-800-447-4647

2024-3-8	تاريخ المصنف	2024-4-5	تاريخ المصنف
250kg/cm <sup>2</sup>	معدل الضغط	معدل الضغط	معدل الضغط

### Test Results

No	Age	Weight (gm)	Unit weight (gm/cm <sup>3</sup> )	Load (kn)	Strength (kg/cm <sup>2</sup> )	Average	%
1	28	7900	2.4	690	312		
2	28	7870	2.4	650	294	298.6	119%
3	28	8250	2.4	640	250		

Q.M.

### Acc Study Trail





**Quality Control Department  
Compression Test Report**

● 2013 年 12 月 1 日起实施

مفتوح - مفتوح

المفتول - الموم والى

(Percent Side)

1800+064 TO 1801+002

2024-3-8	تاريخ العمل	2024-3-15	تاريخ التسليم
250kg/cm <sup>2</sup>	كمية الخرسانة	4441	كمية التسليم

## Test Result

No	Age	Weight (gm)	Unit weight (gm/cm <sup>3</sup> )	Lead (m)	Strength (kg/cm <sup>2</sup> )	Average	%
1	7	8200	2.4	490	222	225	90 %
2	7	7850	2.4	530	240		
3	7	8150	2.4	470	213		

CC

# Wendell Wendell

GM

Are Study Tools



Add :- Egypt - Alexandria - New Borg (Gharbiy city - Minia) Tr - North mall - Flat no 2  
 Tel :- +96677337910 - +96616669773



# SUBMISSION of TEST RESULTS




Location Name		Contractor Company		Designer Company																		
Km 388+000 to 389+000 Km Km 388+183.86 to 389+183.86 Km		DREAM WAY FOR GENERAL CONTRACTING		SPECTRUM																		
Issued by Contractor	Name	Sign	Date/ Serial Number	Time																		
	Eng. ELSAEED MOHAMMED		S5-B-DW 22/2/2024 (S5-B-DW)(C.S.T-3)	12 PM																		
Contractor Reference	EET-EW-01 SPECTRUM			Revision																		
Received by ER	SNA		<table border="1"> <tr> <td>□</td> <td>□</td> <td>□</td> <td>□</td> <td>□</td> <td>□</td> <td>□</td> <td>□</td> <td>□</td> </tr> <tr> <td>KP 368</td> <td>E.W</td> <td>O.T</td> <td>23</td> <td>02</td> <td>2024</td> <td>10</td> <td>00</td> <td></td> </tr> </table>		□	□	□	□	□	□	□	□	□	KP 368	E.W	O.T	23	02	2024	10	00	
□	□	□	□	□	□	□	□	□														
KP 368	E.W	O.T	23	02	2024	10	00															

NB: Package 1 Only (Package 2 via Aconex)

## THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Description of Test Materials	The Test Result of Concrete Cubes (C250/350 ( after ( 7 & 28 ) days.			
Location of Test	SL (388+132) To (388+172) REV(29) SL (388+315.86) To (388+355.86) REV(32)			
Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	TEST RESULTS (7) DAYS	COMPRESSION	Attached	
2	TEST RESULTS (28) DAYS	COMPRESSION	Attached	
3				
4				
5				

Comments by: Eng. Mazen Essamy (SPECTRUM)	Comments by: Eng. Alaa Abd-Allatif (ER)
<p>1-The C.S.T Test Result is Approved.</p> 	<p>1- Test was carried- out by third party lab-COMIBASSAL.</p> <p>2- Results report attached and acceptable with project specifications.</p>

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Elsaheed Mohammed			A
Designer	Eng. Mazen Essamy			A
GARB *	Eng. Margret Magdy			
Employers Representative	Eng. Alaa Abd-Allatif	FOR		A







# COMIBASSAL International Controllers

## Internal inspection and laboratories sector

Accredited by: Egypt General Authority for Petroleum under No. 34/20-IT-2011

دراسة واتر للمقاولات العامة  
التي تلتزم بها المقاولات العامة  
من قبل المقاولات العامة  
398-022-2024

Rep. No.	512-4
Date of report	23/2/2024

### Report compressive Strength for Cube

Compression Machine: ADR 2000 standard Sr. No. 1708-3-5071

Project	Electric Express Train
General Consultant	SYSTRA
Consultant	SPECTRUM
Contractor	شركة نعيم واي
Description of casting Element.	مبول جاذبية للاتجاه الأيمن
Station	St(388+132) to (388+172)



type of curing	by client
cube dim.	(15*15*15) cm
cement content	350 kg/cm2
Required strength	250 kg/cm2

Cube No.	Casting Date	Testing date	Age (days)	Concrete Type	Weight (gm)	Density (gm/cm3)	Load (kgf)	Strength (kg/cm2)	Avg.
1	25/1/2024	22/2/2024	28	Plain Concrete	8300	2.459	67730	301	307
2					8200	2.430	72000	320	
3					8250	2.444	67500	300	

Lab Director

*Eman*  
Eng/ Eman E. Kandil



Geotechnical Consultant

*For. Dr. M.*  
Dr / Mohamed Mostafa Badry





## Quality Control Department Compression Test Report

\*\*\*\*\*



المشروع :- القطر المربع

المقاول :- دريم واي

(RIGHT SIDE)

388+132 TO 388+172

2024-1-26	تاريخ الصب	2024-2-2	تاريخ التكسير
250kg/cm <sup>2</sup>	إجهاد الخرسانة	ميول مسار القطر	عصر الصب

### Test Result

No	Age	Weight (gm)	Unit weight (gm/cm <sup>3</sup> )	Load (kn)	Strength (Kg/cm <sup>2</sup> )	Average	%
1	7	7900	2.4	530	240.2	235.7	94 %
2	7	7890	2.4	510	231.1		
3	7	8150	2.4	520	235.7		

Q.C

Eng :- *Medhat Mohamed*

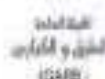
G.M

Acc Shady Fadl





# SUBMISSION of TEST RESULTS



Location Name		Contractor Company		Designer Company																
Km 388+000 to 389+000 Km Km 388+183.86 to 389+183.86 Km		DREAM WAY FOR GENERAL CONTRACTING		SPECTRUM																
Issued by Contractor	Name	Sign	Date/ Serial Number	Time																
	Eng. ELSAEED MOHAMMED		S5-B-DW 04/03/2024 (S5-B-DW)(C.S.T-5)	12 PM																
Contractor Reference	EET-EW-BM/ SPECTRUM			Revision																
Received by ER	SNA		<table border="1"> <tr> <td>CP</td> <td>CC</td> <td>CT</td> <td>DO</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>KP 388</td> <td>E.W</td> <td>O.T</td> <td>5</td> <td>03</td> <td>2024</td> <td>10</td> <td>00</td> </tr> </table>		CP	CC	CT	DO	MM	YY	HH	MM	KP 388	E.W	O.T	5	03	2024	10	00
CP	CC	CT	DO	MM	YY	HH	MM													
KP 388	E.W	O.T	5	03	2024	10	00													

NB: Package 1 Only (Package 2 via Aconex)

## THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Description of Test Materials	The Test Result of Concrete Cubes (C250/350 ( after ( 7 & 28 ) days.			
Location of Test	St. (388+240) To (388+280) REV(29) St. (388+423.86) To (388+463.86) REV(32)			
Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	TEST RESULTS (7) DAYS	COMPRESSION	Attached	
2	TEST RESULTS (28) DAYS	COMPRESSION	Attached	
3				
4				
5				

Comments by: Eng. Mazen Essamy (SPECTRUM)

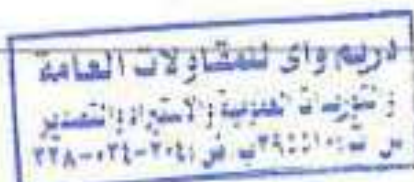
Comments by: Eng. Alaa Abd-Allatif (ER)

1-The C.S.T Test Result is Approved.



1- Test was carried- out by third party  
lab-COMIBASSAL.  
2- Results report attached and  
cceptable with project specifications.

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng.Elsaeed Mohammed			A
Designer	Eng. Mazen Essamy			A
GARB *	Eng.Margret Magdy			
Employers Representative	Eng. Alaa Abd-Allatif	FOR		A





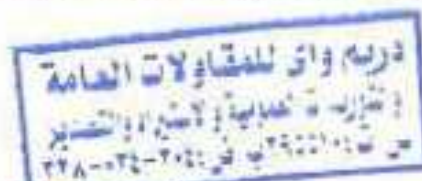


# COMIBASSAL International Controllers

## Internal inspection and laboratories sector

Accredited by : Egypton General Authority for Petroleum under No. 34/29-II-2011

Rep. No.	512 - 6
Date of report	6/3/2024



### Report compressive Strength for Cube

Compression Machine: ADR 2000 standard Sr. No. 1708-3-5071

Project	Electric Express Train
General Consultant	SYSTRA
Consultant	SPECTRUM
Contractor	شركة تريم واي
Description of casting element.	ميدان جاذبية للتأجير الآلي
Station	St(388+240) to (388+280)



type of curing	by client
cube dim.	(15*15*15) cm
cement content	350 kg/cm2
Required strength	250 kg/cm2

Cube No.	Casting Date	Testing date	Age (days)	Concrete Type	Weight (gm)	Density (gm/cm3)	Load (kgf)	Strength (kg/cm2)	Avg.
1	6/3/2024	5/3/2024	28	Plain Concrete	8450	2.504	77630	345	361
2					8350	2.474	83250	370	
3					8300	2.459	82580	367	

Lab Director

*Eman*  
Eng/ Eman E. Kandil



Geotechnical Consultant

*For. Dr. H.*  
Dr / Mohamed Mostafa Bodry





## Quality Control Department Compression Test Report



المشروع :- القطر السريع

المقاول :- دريم واي

(RIGHT SIDE)

388+240 TO 388+280

2024-2-6	تاريخ الصب	2024-2-13	تاريخ التكمير
250kg/cm <sup>2</sup>	إجهاد الخرسانة	مبول مسار القطر	عنصر الصب

### Test Result

No	Age	Weight (gm)	Unit weight (gm/cm <sup>3</sup> )	Load (kn)	Strength (Kg/cm <sup>2</sup> )	Average	%
1	7	7950	2.4	510	231.1	231.1	92.5 %
2	7	8250	2.4	490	222.1		
3	7	8150	2.4	530	240.2		

Q.C

Eng :- *Medhat Mohamed*



G.M

Acc Shady Fadl



# SUBMISSION of TEST RESULTS



Location Name		Contractor Company		Designer Company																
Km 388+000 to 389+000 Km Km 388+183.86 to 389+183.86 Km		DREAM WAY FOR GENERAL CONTRACTING		SPECTRUM																
Issued by Contractor	Name	Sign	Date/ Serial Number	Time																
	Eng. ELSAEED MOHAMMED		S5-B-DW 05/03/2024 (S5-B-DW)(C.S.T-6)	12 PM																
Contractor Reference	EET-EW-PM/SPECTRUM			Revision																
Received by ER	SNA		<table border="1"> <tr> <td>CT</td> <td>CT</td> <td>CT</td> <td>DO</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>KP 388</td> <td>E.W</td> <td>Q.T</td> <td>6</td> <td>03</td> <td>2024</td> <td>10</td> <td>00</td> </tr> </table>		CT	CT	CT	DO	MM	YY	HH	MM	KP 388	E.W	Q.T	6	03	2024	10	00
CT	CT	CT	DO	MM	YY	HH	MM													
KP 388	E.W	Q.T	6	03	2024	10	00													

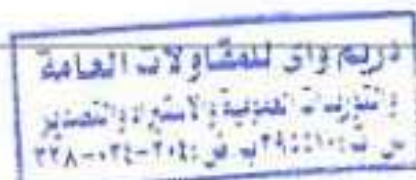
NB: Package 1 Only (Package 2 via Aconex)

## THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Description of Test Materials	The Test Result of Concrete Cubes (C250/350 ( after ( 7 & 28 ) days.			
Location of Test	St. (388+280) To (388+316) REV(29) St. (388+463.86) To (388+499.86) REV(32)			
Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	TEST RESULTS (7) DAYS	COMPRESSION	Attached	
2	TEST RESULTS (28) DAYS	COMPRESSION	Attached	
3				
4				
5				

Comments by: Eng. Mazen Essamy (SPECTRUM)	Comments by: Eng. Alaa Abd-Allatif (ER)
<b>1-The C.S.T Test Result is Approved.</b> 	<b>1- Test was carried- out by third party lab-COMIBASSAL.</b> <b>2- Results report attached and acceptable with project specifications.</b>

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng.Elsaeed Mohammed			A
Designer	Eng. Mazen Essamy			A
GARB *	Eng.Margret Magdy			
Employers Representative	Eng. Alaa Abd-Allatif	FOR		A







# COMIBASSAL International Controllers

## Internal inspection and laboratories sector

Accredited by : Egyptian General Authority for Petroleum under No. 34/29-11-2011

دراسة واتر للمقاولات العامة  
التي تخدم في المشاريع والبنى التحتية  
من ٢٠٠٠ إلى ٢٠٢٤ - ٢٠٢٨

Reg. No.	512-9
Date of issue	7/3/2024

### Report compressive Strength for Cube

Compression Machine: ADR 2000 standard Sr. No. 1708-3-5071

Project	Electric Express Train
General Consultant	SYSTRA
Consultant	SPECTRUM
Contractor	شركة مريم وادي
Description of casting Element.	مويل جانبية للاتجاه الأيمن
Station	St(388+280) to (388+316)

type of curing	by client
cube dim.	(15*15*15) cm
cement content	350 kg/cm2
Required strength	250 kg/cm2

Cube No.	Casting Date	Testing date	Age (days)	Concrete Type	Weight (gm)	Density (gm/cm3)	Load (kgf)	Strength (kg/cm2)	Avg.
1	7/2/2024	6/3/2024	28	Plain Concrete	8150	2.415	83250	370	348
2					8200	2.430	84380	375	
3					8350	2.474	67280	299	

Lab Director

Eng/ Eman E. Kandil



Geotechnical Consultant

For Dr. H -  
Dr / Mohamed Mostafa Badry





درجہ اولیٰ للمساوات العامة

## Quality Control Department

### Compression Test Report

\*\*\*\*\*

دراسة وإثر المقاولات العامة  
في التنمية الاقتصادية والنمو  
في العراق 1980-1990

### المشروع :- القطار السريع

## المقاول :- دريم واي

(RIGHT SIDE)

388+280 TO 388+316

2024-2-7	تاريخ الصب	2024-2-14	تاريخ التكسير
250kg/cm <sup>2</sup>	إجهاد الخرسانة	ميول مسار القطار	عنصر الصب

### Test Result

No	Age	Weight (gm)	Unit weight (gm/cm <sup>3</sup> )	Load (kn)	Strength (Kg/cm <sup>2</sup> )	Average	%
1	7	7850	2.4	520	235	233.7	93 %
2	7	8250	2.4	500	226		
3	7	8150	2.4	530	240.2		

Q.C

Eng :- *Medhat Mohamed*



G.M.

Acc Shady Fadl

Add :- Egypt - Alexandria - New Borg-Elarab city - Ramsis St - Kotb mail -Flat No 2  
Telli :- +201177557520 - +201146439725

المطبخ - البصر - الإسكندرية - مدينة - البحر المتوسط - شمال مصر - شمال قطر - شرق ليبيا



# UNIVERSAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	DREAM WAY (388+000 to 389+000) REV (29) (388+183.86 to 389+183.86) REV (32)		Designer Company*	(SPECTRUM) Engineering Consulting Office																
Issued by Contractor	Name	Sign	Date/Serial Number	Time																
	Eng. Saeed Mohammed		07/03/2024 (S1-B-DW) (R SP13-BC)	2:00 PM																
Received by GARB CONSULTANT	Eng. MAZEN ESAMY		<table border="1"> <tr> <td>CT</td> <td>DT</td> <td>ET</td> <td>OD</td> <td>UM</td> <td>TY</td> <td>MM</td> <td>YY</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> </tr> </table>	CT	DT	ET	OD	UM	TY	MM	YY	1	2	3	4	5	6	7	8	00
CT	DT	ET	OD	UM	TY	MM	YY													
1	2	3	4	5	6	7	8													

CODE: 1	(388+964 TO 389+000) bottom beam	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used
CODE: 2	Work Activity		
CODE: 3	Sub Element of Activity		

## EXPLANATION OF WORK TO BE INSPECTED

Description	REV	Element	Item
FROM ST 388+964 TO 389+000	REV 29	Inspection and Surveying for Slope Protection Right	Concrete (1080 m <sup>3</sup> )
FROM ST 389+147.86 TO 389+183.86	REV 32	Side (Bottom Beam)	

## INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as Indicated
Drawing Reference	I.T.P. References	MS Reference	
Plan and Profile REV 32		- Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-43.2) VERSION 2 BY CIVECON GROUP - TECHNICAL REPORT (CG21-122.1) VERSION 1 BY CIVECON GROUP	

Comments by: Eng. Mohamed Mansour (XYZ)	FET PROJECT SECTION 5_2
1- Attached Master Sheet approved by SPECTRUM	Hydrological study and intersection with water ways reports REV 32 and R-2638

Comments by: Eng. Abdelaziz Mostafa (SPECTRUM)	Comments by: Eng. Alaa Abd-Allatif (R)
1- Visual inspection is approved	1-coordinates & levels and width checked by GARB consultant
2- Coordinates and levels is approved	2- (REV. 32) approved by GARB consultant
	1-kind approved sheet to above

INSPECTION RESULT					Approval Status	Please Tick if Not Attend
Organisation	Name	Sign	Date	Time	A-AWCR	
Contractor	Eng. Saeed Mohammed				A	
XYZ Survey	Eng. Mohamed Khalil					
QA/QC*	Eng. MAZEN ESAMY				A	
GARB**	Eng. Margret Magdy					
Employers Representative	Eng. Alaa Abd-Allatif		7-3-2024		Awc	



# SHOP DRAWING SLOPE PROTECTION

RIGHT

BOTTOM BEAM

STATION												
	S3			S4			S5			S6		
	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
388+964	427156.33	900193.88	7.2	427156.33	900193.88	6.2	427156.44	900194.16	6.2	427156.44	900194.16	7.2
388+968	427152.64	900195.43	7.12	427152.64	900195.43	6.12	427152.75	900195.71	6.12	427152.75	900195.71	7.12
388+972	427148.94	900196.94	7.07	427148.94	900196.94	6.07	427149.05	900197.22	6.07	427149.05	900197.22	7.07
388+976	427145.13	900198.18	7.22	427145.13	900198.18	6.22	427145.24	900198.46	6.22	427145.24	900198.46	7.22
388+980	427141.39	900199.6	7.23	427141.39	900199.6	6.23	427141.5	900199.88	6.23	427141.5	900199.88	7.23
388+984	427137.71	900201.17	7.15	427137.71	900201.17	6.15	427137.81	900201.45	6.15	427137.81	900201.45	7.15
388+988	427134.08	900202.88	6.96	427134.08	900202.88	5.96	427134.19	900203.16	5.96	427134.19	900203.16	6.96
388+992	427130.38	900204.4	6.91	427130.38	900204.4	5.91	427130.49	900204.68	5.91	427130.49	900204.68	6.91
388+996	427126.62	900205.76	6.96	427126.62	900205.76	5.96	427126.72	900206.04	5.96	427126.72	900206.04	6.96
389+000	427122.84	900207.13	7.02	427122.84	900207.13	6.02	427122.96	900207.4	6.02	427122.96	900207.4	7.02

مستقر



مدرسة وادي للمقاولات العامة  
بمصر - القاهرة  
٢٠٠٨ - ٢٠٢٠





دراسة وافي لمشاريع لانتاج الطاقة  
بمركز الطاقة المتجددة في المنطقة  
الشمالية الغربية

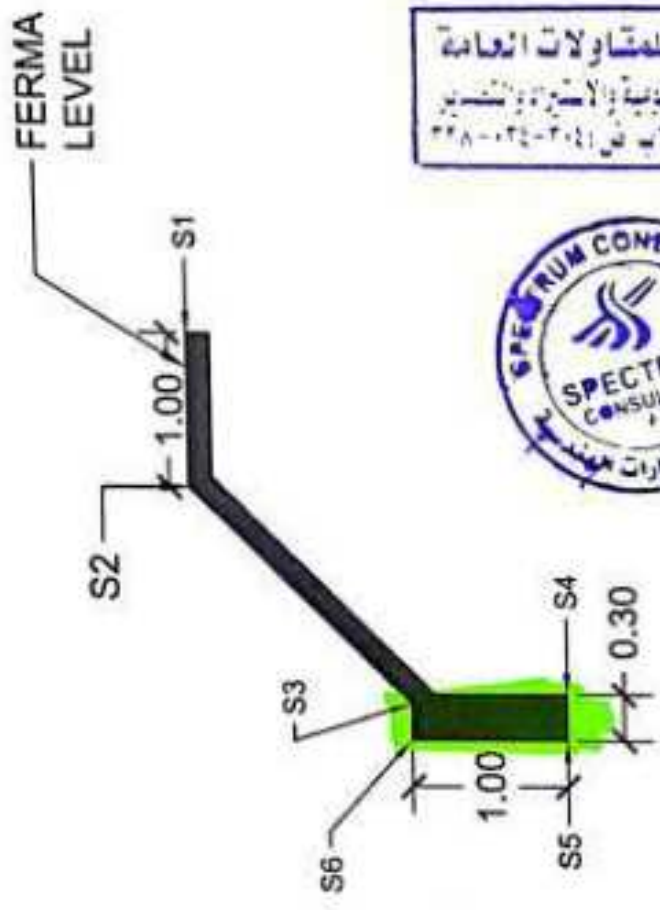
    	BOTTOM BEAM			TOTAL CUBE m <sup>3</sup>
	SL	HEIGHT	WIDTH	
	100-101-102	1.00	0.30	34.00
				30.00

دراسة وافي لمشاريع لانتاج الطاقة  
بمركز الطاقة المتجددة في المنطقة  
الشمالية الغربية





درييم وای للمشاوالات العامة  
 المهندسة المعمارية والاسطوانات والاسطوانات  
 ٢٠٢١-٢٠٢٢-٢٠٢٣-٢٠٢٤-٢٠٢٥





# UNIVERSAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	DREAM WAY (388+000 to 389+000) REV (29) (388+183.86 to 389+183.86) REV (32)		Designer Company*	(SPECTRUM) Engineering Consulting Office								
Issued by Contractor	Name	Sign	Date/Serial Number	Time								
	Eng. Saeed Mohammed		07/03/2024 (K531-DW) (R-SP13-TC)	2:00 PM								
Received by GARB CONSULTANT	Eng. MAZEN ESAMY		UIR	<table border="1"> <tr> <td>ST</td> <td>EW</td> <td>CS</td> <td>07</td> <td>03</td> <td>2024</td> <td>02</td> <td>00</td> </tr> </table>	ST	EW	CS	07	03	2024	02	00
ST	EW	CS	07	03	2024	02	00					

CODE - 1	(388+964 TO 389+000) Top Slabs and Slope	D1 to D3 Depot Reference	Rp XXX Note For Kilo meter point only Start Km is used
CODE - 2	Work Activity		
CODE - 3	Sub Element of Activity		

## EXPLANATION OF WORK TO BE INSPECTED

Description	REV	Element	Item
FROM ST 388+964 TO 389+000	REV 29	Inspection and Surveying for Slope Protection Right Side ( Top Slabs and Slope )	Concrete(15.51 m <sup>3</sup> )
FROM ST 389+147.86 TO 389+183.86	REV 32		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as Indicated
Drawing Reference	I.T.P. References	MS Reference	
Plan and Profile REV 32		-Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY ONECON GROUP. -TECHNICAL REPORT (CG21-122.3) VERSION 1 BY ONECON GROUP.	

Comments by: Eng. Mohamed Mansour (XYZ)

1- Attached Master Sheet approved by SPECTRUM.

FET PROJECT SECTION 5\_2

Hydrological study and intersection with water ways reports REV 32 and R-2638

Comments by: Eng. Abdelaziz Mostafa (SPECTRUM)

1- Visual Inspection is approved

2- Coordinates and levels is approved

Comments by: Eng. Alaa Abd-Allatif (ER)

1- coordinates & levels and width checked by GARB consultant

2- (REV. 11 & X-sec / 20m) Approved from SYSTRA.

2.5 m / 100 m segment subjected to above

## INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng. Saeed Mohammed				A-AWC-R	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. MAZEN ESAMY				A	
GARB**	Eng. Margret Magdy					
Employers Representative	Eng. Alaa Abd-Allatif		7-3-2024		Awe	

\* Designer

File Name: MS-F 1.032





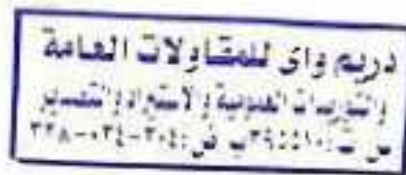
## SHOP DRAWING SLOPE PROTECTION

RIGHT

TOP SLAB AND SLOPE

STATION	S1			S2			S3		
	X	Y	Z	X	Y	Z	X	Y	Z
388+964	427155.57	900191.92	8.15	427155.92	900192.81	8.11	427156.33	900193.88	7.2
388+968	427151.84	900193.37	8.15	427152.19	900194.26	8.11	427152.64	900195.43	7.12
388+972	427148.11	900194.81	8.15	427148.46	900195.7	8.11	427148.94	900196.94	7.07
388+976	427144.38	900196.25	8.15	427144.73	900197.14	8.11	427145.13	900198.18	7.22
388+980	427140.65	900197.7	8.15	427141	900198.59	8.11	427141.39	900199.6	7.23
388+984	427136.92	900199.14	8.15	427137.27	900200.03	8.11	427137.71	900201.17	7.15
388+988	427133.19	900200.59	8.15	427133.54	900201.48	8.11	427134.08	900202.88	6.96
388+992	427129.46	900202.03	8.15	427129.81	900202.92	8.11	427130.38	900204.4	6.91
388+996	427125.73	900203.47	8.15	427126.08	900204.36	8.11	427126.62	900205.76	6.96
389+000	427122	900204.92	8.15	427122.34	900205.81	8.11	427122.86	900207.13	7.02

محمّد













# UNIVERSAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	DREAM WAY (388+000 to 389+000) REV (29) (388+183.86 to 389+183.86) REV (32)		Designer Company*	(SPECTRUM) Engineering Consulting Office																																																	
Issued by Contractor	Name	Sign	Date/Serial Number	Time																																																	
	Eng. Saeed Mohammed		6/02/2024 (SS-90W) (R-3P8-BC)	2:00 PM																																																	
Received by GARB CONSULTANT	Eng. MAZEN ESAMY		UIR	<table border="1"> <tr> <td>01</td> <td>02</td> <td>03</td> <td>04</td> <td>05</td> <td>06</td> <td>07</td> <td>08</td> <td>09</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> </tr> <tr> <td>188</td> <td>189</td> <td>190</td> <td>191</td> <td>192</td> <td>193</td> <td>194</td> <td>195</td> <td>196</td> <td>197</td> <td>198</td> <td>199</td> <td>200</td> <td>201</td> <td>202</td> <td>203</td> <td>204</td> <td>205</td> <td>206</td> <td>207</td> <td>208</td> <td>209</td> <td>210</td> <td>211</td> <td>212</td> </tr> </table>	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																														
188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212																													

CODE-1	(388+280 TO 388+316) bottom beam	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

## EXPLANATION OF WORK TO BE INSPECTED

Description	REV	Element	Item
FROM ST 388+280 TO 388+316	REV 29	Inspection and Surveying for Slope Protection Right	Concrete (10.30 m <sup>3</sup> )
FROM ST 388+463.86 TO 388+499.86	REV 32	Side (Bottom Beam)	

## INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

## COMPLIANCE EVIDENCE must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as indicated
Drawing Reference	I.T.P. References	MS Reference	
Plan and Profile REV 32		-Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP. -TECHNICAL REPORT (CG21-122.1) VERSION 1 BY CIVECON GROUP.	

Comments by: Eng. Mohamed Manar (KYZ)

1- Attached Master Sheet approved by SPECTRUM.

EET PROJECT SECTION 5.2

Hydrological study and intersection with water ways reports REV 32 and R-2638

Comments by: Eng. Abdelaziz Mostafa (SPECTRUM)

1- Visual Inspection is approved  
2- Coordinates and levels is approved

Comments by: Eng. Alaa Abd-Allatif (ER)

1- coordinates & levels, and width checked by GARB consultant  
2- (REV. 32 & 1 sec./20m) Approved from SYSTRAS

Final approval subjected to above mentioned comments

## INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng. Saeed Mohammed				A-AWC-R	
XYZ Survey	Eng. Mohamed Khalil					
QA/QC*	Eng. MAZEN ESAMY				A	
GARB**	Eng. Margret Magdy					
Employers Representative	Eng. Alaa Abd-Allatif		6-2-2024		Awc	

\* Designer  
File Name: MS-F.1032



[illegible]

## SHOP DRAWING SLOPE PROTECTION

RIGHT

BOTTOM BEAM

No	S3			S4			S5			S6		
	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
388+280	427794.33	899947.28	7.49	427794.33	899947.28	6.49	427794.44	899947.36	6.49	427794.44	899947.36	7.49
388+284	427790.61	899948.74	7.47	427790.61	899948.74	6.47	427790.72	899949.02	6.47	427790.72	899949.02	7.47
388+288	427786.95	899950.36	7.33	427786.95	899950.36	6.33	427787.05	899950.64	6.33	427787.05	899950.64	7.33
388+292	427783.23	899951.86	7.29	427783.23	899951.86	6.29	427783.34	899952.14	6.29	427783.34	899952.14	7.29
388+296	427779.53	899953.37	7.23	427779.53	899953.37	6.23	427779.64	899953.65	6.23	427779.64	899953.65	7.23
388+300	427775.78	899954.76	7.25	427775.78	899954.76	6.25	427775.89	899955.04	6.25	427775.89	899955.04	7.25
388+304	427772.03	899956.14	7.29	427772.03	899956.14	6.29	427772.13	899956.42	6.29	427772.13	899956.42	7.29
388+308	427768.29	899957.58	7.28	427768.29	899957.58	6.28	427768.4	899957.86	6.28	427768.4	899957.86	7.28
388+312	427764.51	899958.89	7.37	427764.51	899958.89	6.37	427764.62	899959.17	6.37	427764.62	899959.17	7.37
388+316	427760.77	899960.3	7.38	427760.77	899960.3	6.38	427760.88	899960.58	6.38	427760.88	899960.58	7.38

7.38	427760.77	899.503	6.38
------	-----------	---------	------

مشروع القطار السريع - جنوب النيل





درجہ ذیل لمبائیاں و اُلٹاں الحامیہ  
 و نتیجہ انہی لمبائیاں و اُلٹاں ہاں حساب  
 کیے گئے: ۳۱۶+۳۸۸-۲۰۰-۳۳۸

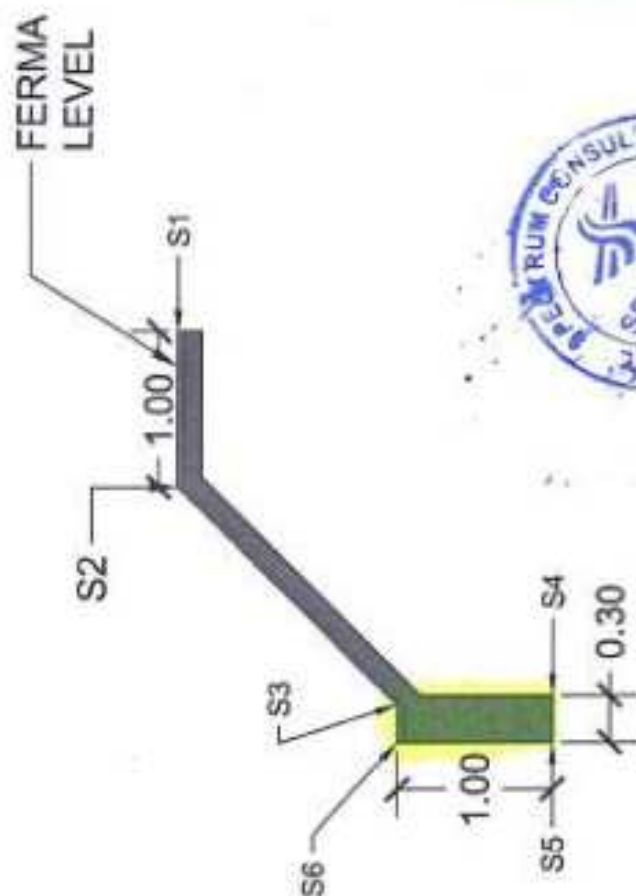


St.	BOTTOM BEAM			TOTAL CUBE m <sup>3</sup>
	HIGHT	WIDTH	LENGTH	
388+280 to 388+316	1.00	0.30	35.00	10.50





دریم وای للمشاوالات العامة  
والتي تخدم المصالح العامة والخاصة  
من ٢٠١٠ إلى ٢٠٢٠





# UNIVERSAL INSPECTION REQUEST



DREAM WAY



الهيئة العامة  
للرعاية  
(GARB)



مكتب استشارات  
الهندسة  
SPECTRUM



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	DREAM WAY (388+000 to 389+000) REV (29) (388+183.86 to 389+183.86) REV (32)		Designer Company*	(SPECTRUM) Engineering Consulting Office	
Issued by Contractor	Name	Sign	Date/Serial Number	Time	
	Eng. Saeed Mohammed		5/02/2024 (S1-B-DW) (R-SP5-BC)	2:00 PM	
Received by GARB CONSULTANT	Eng. MAZEN ESAMY		UR	388	EW CS 05 02 2024 02 00
CODE-1	(388+240 TO 388+280) bottom beam		D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used	
CODE-2	Work Activity				
CODE-3	Sub Element of Activity				

## EXPLANATION OF WORK TO BE INSPECTED

Description	REV	Element	Item
FROM ST 388+240 TO 388+280	REV 25	Inspection and Surveying for Slope Protection Right	Concrete (12 m <sup>3</sup> )
FROM ST 388+423.86 TO 388+463.86	REV 32	Side (Bottom Beam)	

## INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as indicated
Drawing Reference Plan and Profile REV 32	I.T.P. References	MS Reference	
		-Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP. -TECHNICAL REPORT (CG21-422.1) VERSION 1 BY CIVECON GROUP.	

Comments by: Eng. Mohamed Marmour (XYZ)

1- Attached Master Sheet approved by SPECTRUM.

EET PROJECT SECTION 5.2

Hydrological study and intersection with water ways reports REV 32 and R-2638

Comments by: Eng. Abdelaziz Mostafa (SPECTRUM)

1- Visual Inspection is approved  
2- Coordinates and levels is approved



Comments by: Eng. Alaa Abd-Allatif (ER)

1-coordinates & levels and width checked by GARB consultants  
2- (REV. 32 & X-sec./20m) Approved from SYSTRA.

2- find approved subjected to above mentioned comments

## INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng. Saeed Mohammed				A-AWC-R	
XYZ Survey	Eng. Mohamed Khalil					
QA/QC*	Eng. MAZEN ESAMY				A	
GARB**	Eng. Margret Magdy					
Employers Representative	Eng. Alaa Abd-Allatif		5-2-2024		Awc	

\* Designer

File Name : MS-F 1032

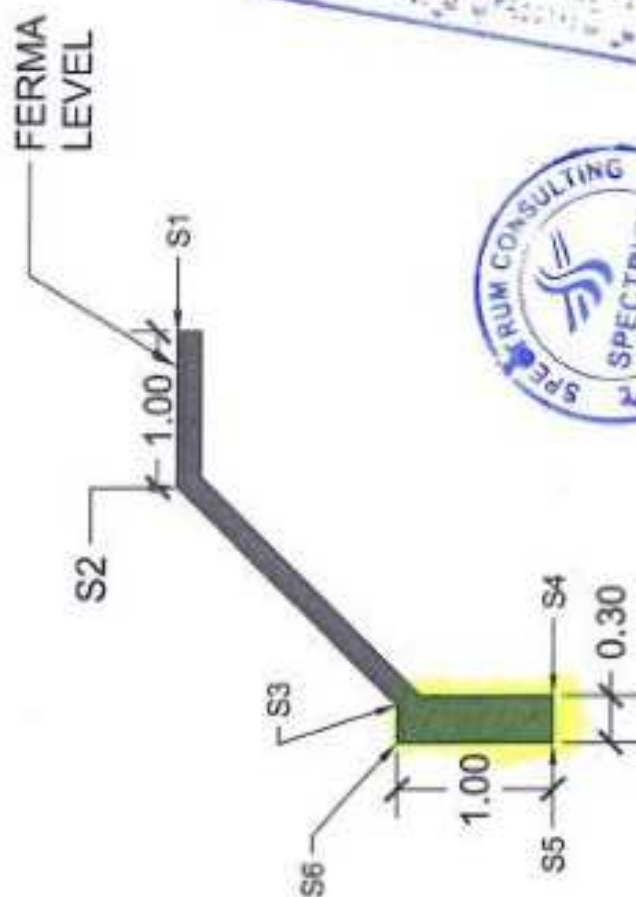














# UNIVERSAL INSPECTION REQUEST



MINISTRY OF TRANSPORT AND PUBLIC WORKS



GENERAL AUTHORITY FOR ROAD AND URBAN PLANNING



GENERAL AUTHORITY FOR URBAN PLANNING



GENERAL AUTHORITY FOR URBAN PLANNING



GENERAL AUTHORITY FOR URBAN PLANNING

## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	DREAM WAY (388+000 to 389+000) REV (29) (388+183.86 to 389+183.86) REV (32)		Designer Company*	(SPECTRUM) Engineering Consulting Office																
Issued by Contractor	Name Eng. Saeed Mohammed	Sign 	Date/Serial Number 25/01/2024 (6546-DW) (R.SP3-BC)	Time 2:00 PM																
Received by GARB CONSULTANT	Eng. MAZEN ESAMY	UIR 	<table border="1"> <tr> <td>C</td> <td>D</td> <td>CS</td> <td>DO</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>188</td> <td>EW</td> <td>CS</td> <td>25</td> <td>01</td> <td>2024</td> <td>02</td> <td>00</td> </tr> </table>		C	D	CS	DO	MM	YY	HH	MM	188	EW	CS	25	01	2024	02	00
C	D	CS	DO	MM	YY	HH	MM													
188	EW	CS	25	01	2024	02	00													

CODE-1	(388+132 TO 389+172) bottom beam	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used
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CODE-2	Work Activity
CODE-3	Sub Element of Activity

## EXPLANATION OF WORK TO BE INSPECTED

Description	REV	Element	Item
FROM ST 388+132 TO 388+172	REV 29	Inspection and Surveying for Slope Protection Right	Concrete (12.00 m <sup>3</sup> )
FROM ST 388+183.86 TO 388+183.86	REV 32	Side (bottom beam)	

INSPECTION DETAILS The following will be ready at the time of inspection Time 25-01-2024

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as indicated
Drawing Reference Plan and Profile REV 32	I.T.P. References	MS Reference -Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP. -TECHNICAL REPORT (CG21-332.1) VERSION 1 BY CIVECON GROUP.	

Comments by: Eng. Mohamed Mansour (XYZ)	EET PROJECT SECTION 5_2
1- Attached Master Sheet approved by SPECTRUM.	Hydrological study and intersection with water ways reports REV 32 and R-2638

Comments by: Eng. Abdelaziz Mostafa (SPECTRUM)	Comments by: Eng. Alaa Abd-Allatif (EET)
1-Visual Inspection is approved 2-Coordinates and levels is approved	1-coordinates & levels and width checked by GARB consultant. 2- (REV 32 & X-sec./20m) Approved from SYSTRA. 3- <i>Approved Subjected to above</i>

INSPECTION RESULT						Approval Status	Please Tick if Not Attend
Organisation	Name	Sign	Date	Time			
Contractor	Eng. Saeed Mohammed					A	
XYZ Survey	Eng. Mohamed Khalil						
QA/QC*	Eng. MAZEN ESAMY					A	
GARB**	Eng. Margret Magdy						
Employers Representative	Eng. Alaa Abd-Allatif		25-1-2024			Aux	



# SHOP DRAWING SLOPE PROTECTION

RIGHT

STATION

BOTTOM BEAM

	S3			S4			S5			S6		
	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
381+132	427932.76	899894.92	7.11	427932.76	899894.92	6.11	427932.87	899895.2	6.11	427932.87	899895.2	7.11
381+136	427929.06	899896.43	7.05	427929.06	899896.43	6.05	427929.17	899896.71	6.05	427929.17	899896.71	7.05
381+140	427924.96	899896.91	7.73	427924.96	899896.91	6.73	427925.07	899897.19	6.73	427925.07	899897.19	7.73
381+144	427920.89	899897.48	8.35	427920.89	899897.48	7.35	427920.99	899897.75	7.35	427920.99	899897.75	8.35
381+148	427917.12	899898.82	8.41	427917.12	899898.82	7.41	427917.23	899899.1	7.41	427917.23	899899.1	8.41
381+152	427914.05	899901.97	7.18	427914.05	899901.97	6.18	427914.15	899902.25	6.18	427914.15	899902.25	7.18
381+156	427910.51	899903.39	7.19	427910.51	899903.39	6.19	427910.42	899903.67	6.19	427910.42	899903.67	7.19
381+160	427906.59	899904.87	7.15	427906.59	899904.87	6.15	427906.7	899905.15	6.15	427906.7	899905.15	7.15
381+164	427902.84	899906.26	7.18	427902.84	899906.26	6.18	427902.95	899906.54	6.18	427902.95	899906.54	7.18
381+168	427899.13	899907.76	7.13	427899.13	899907.76	6.13	427899.24	899908.04	6.13	427899.24	899908.04	7.13
381+172	427895.38	899909.14	7.16	427895.38	899909.14	6.16	427895.49	899909.42	6.16	427895.49	899909.42	7.16

درجہ ذیل نقشہ کیلئے تصدیق  
مختار احمد خان  
مدرسہ انجینئرنگ



مختار احمد خان  
مدرسہ انجینئرنگ



دراسة تقنيّة لمشاريع ولايات البحارة  
في منطقة البحارة  
من ٢٠٢٠ إلى ٢٠٢٢

St.	BOTTOM BEAM			TOTAL CUBE m <sup>3</sup>
	HIGHT	WIDTH	LENGTH	
388+132 to 388+172	1.00	0.30	40.00	12.00









# UNIVERSAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspecting at planned time shown

Contractor Company	Dream Way COMPANY			Designer Company*	(SPECTRUM) Engineering Consulting Office			
Issued by Contractor	Name	Sign		Date/Serial Number	Time			
	Eng. Elseied Mohamed			20/12/2022 SS-B-DW-IR Gr(02)	1:00 p			
Received by GARB CONSULTANT	Eng. Mazen Esamy			UIR	C1	C2	C3	DD
					388	EW	CS	21
					MM	YY	DD	MM
					12	2022	01	00

CODE - 1	S1 to S21 Station Reference	D1 to D3 Depot Reference	Kp XXX Note For K10 meter point only Start Km is used
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CODE - 2	Work Activity
CODE - 3	Sub Element of Activity

## EXPLANATION OF WORK TO BE INSPECTED

Description				Element	Item
From St.	388+500	To St.	388+700	REV 29	OVERLAP 30CM , AREA=3216 M2
From St.	388+603.06	To St.	388+603.06	REV 35	
				Geogrid	

## INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as Indicated
Drawing Reference	References	MS Reference	
PLAN AND PROFILE (REV.35) , (REV.29)	SS-B-DW IR-SG(02)	-Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP.	
POINT OF SHEET	SS-B-DW FDT-SG1(2)	-TECHNICAL REPORT (CG21-122.1) VERSION 1 BY CIVECON GROUP.	
POINT ON PLAN	SS-B-DW IR-SG(03)		
MASTER SHEET FOR CUT AND FILL	SS-B-DW FDT-SG1(3)		
APPROVED BY (SPECTRUM)CONSULTING			

Comments by: Eng. Mohamed KHALIL (XYZ)

- 1- Attached Master Sheet approved by SPECTRUM .
- 2-As Built (Geogrid) with overlap 30 cm , AREA= 3216 M2

Comments by: Eng. Mostafa rejad (SPECTRUM)



Comments by: Eng. Alaa Abd-Allah (ER)

- 1-The work has been done according to instruction from GARB to contractor & GARB. ENG. consultant.
- 2-Quality test checked by third party lab . ( ALEXANDRIA UNIVERSITY )

## INSPECTION RESULT

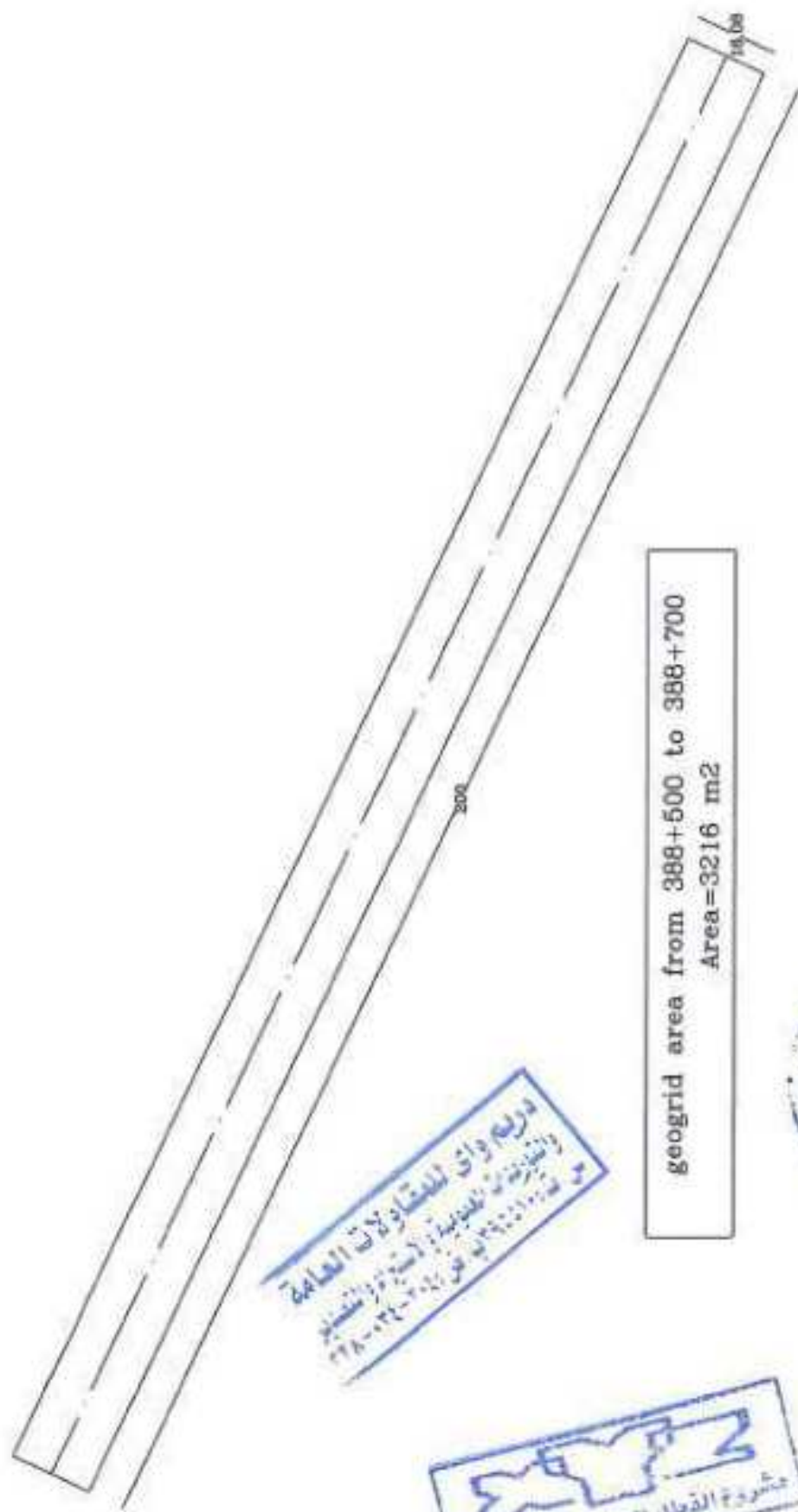
Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng. Elseied Mohamed				A-AWC-R	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. Mazen Esamy				A	
GARB**	Eng. Margret magdy					
Employers Representative	Eng. Alaa Abd-Allah				A	



Contractor	  			Serial No. IR-GE (02)
	  			Date 21/12/2022
	<p align="center"><b>مكتب إدارة أعمال كويل</b>  <b>Electrical Express Train From Burg Al Arabh to Alamein</b>  <b>From Station 388+00 To Station 389+00</b></p>			
	<p align="center"><b>Works Inspection Request</b></p>			
We request your attendance to inspect the following works :				
Discipline : <input type="checkbox"/> Overlap Protection <input type="checkbox"/> Structure <input type="checkbox"/> Drainage <input type="checkbox"/> Sorey				
Location :		Zone	From Station	To Station
		Drainway	388+500	388+700
References		Drawing: EET-B086 EL ARABH REV 29 Plan Profile		
Purpose of the Inspection		Specification: ESTLL-L Earthworks specifications and testing report.		
Attachments		<div style="border: 1px solid black; padding: 5px;"> <input type="checkbox"/> Surveying  <input type="checkbox"/> Setting out  <input checked="" type="checkbox"/> Levels  <input type="checkbox"/> Topography         </div>		
I-PLAN				
Works To be Inspected		GEOGRID LAYER FROM 388+500 TO 388+700 WITH AREA=3216M2		
Submitted by:		Signature: 		
SARP Consultant Engineer's Comments :		<input checked="" type="checkbox"/> Approved as filed (0) <input type="checkbox"/> Rejected (0)		
<p>The works are : <input checked="" type="checkbox"/> Approved (0) <input type="checkbox"/> Approved as filed (0) <input type="checkbox"/> Rejected as filed (0) <input type="checkbox"/> Rejected (0)</p>				
Name: <u>Mazen Esam</u>				
General Consultant's Comments:				
1-we need approved typical sec to see geogrid between splitbox. The work has been according to instruction from SARP to contractor-SARP consultant				
2-Xsec/20m of REV.30 should approved from SYSTRA to calculate area				
3-Quality test checked by third party lab				
4-Final approval is subjected to above mentioned comment				
The works are :		<input type="checkbox"/> Approved (0) <input type="checkbox"/> Approved as filed (0) <input type="checkbox"/> Rejected as filed (0) <input type="checkbox"/> Rejected (0)		
Name: <u>Ali Alshelkhat</u>		Signature: 		

21/12





geogrid area from 388+500 to 388+700  
Area=3216 m2

دوره واي المقاولات العامة  
والهندسة المدنية والاسماء والاسماء  
من ٢٠٠٨-٢٠٠٩

مشروع القطار السريع غرب القيل





الساده / شركة دريم واى للمقاولات

تحية طيبة وبعد...

الموضوع :- بشأن الطلب المقدم من سيادتكم بتاريخ ٢٠٢٣/١/٤ لإجراء اختبار على عدد (١) عينة

جيو جريد.

بالإشارة إلى الموضوع عالية. نتشرف بأن نرفق لسيادتكم التقرير الذي أعد بواسطة كلا من :-

أ.د / رانيا محمد احمد محروس الديب

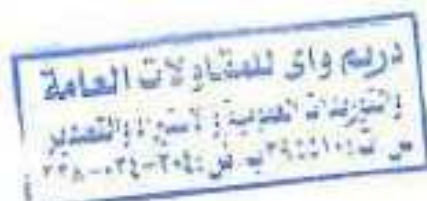
د / ياسمين المالحى.

بقسم هندسة الغزل والنسيج وذلك من خلال المركز الهندسى.

مع خالص احترامى وتقديرى،،

المدير التنفيذي للمركز الهندسى  
كلية الهندسة - جامعة الاسكندرية

أ.د/ زياد محمد طارق الصياد







Customer: Dream Way  
Sample type: Geogrid- biaxial

Sample code	Tensile strength (KN/m)	Elongation (%)
Geogrid- biaxial According to ASTM (D6637-B)	44.2	13.29

The laboratory is responsible only for the sample provided.  
The sample provided is responsibility of the supplier.  
The result has a tolerance  $\pm 5\%$

Created by:

Dr. Yasmin Ayman Mohamed Hafez Elmahy



Approved by:

Prof. Dr. Rania Mohamed Ahmed Eldeeb





Contractor	  		Serial No. POT-SG (05)
	  		Date 31/12/2022
	<p>مكتب إدارة هندسة شوارع</p> <p>Electrical Express Train from Derg Alanda to Alanda From Station 388+00 To Station 389+00</p>		
	Weekly Inspection Request		
	We request your attendance to inspect the following works :		
	Discipline :	<input type="checkbox"/> Civilian Engineer <input type="checkbox"/> Survey <input type="checkbox"/> Drainage <input type="checkbox"/> Survey	
	Location :	Zone Drainway	PROF 388+540
	References	Drawing: 388+540 EL. AREA REV 30 Plan Profile	TO 389+700
	Purpose of the inspection	level prepared subgrade 2 Specification: ETL 1.1 Earthwork specifications and testing cases	
	Attachments	Screening <input type="checkbox"/> Testing net <input type="checkbox"/> Seals <input type="checkbox"/> Velocity	
Works To be Inspected	Ref, IR-SG(05)		
Submitted by	Drawn by	Signature	Signature: <i>Abdulrahman</i> Date: 31/12/2022
GARP Consultant Engineer's Comments: - The compaction test result (F.O.T) by third party Job is OK			
The works are : <input type="checkbox"/> Approved (S) <input type="checkbox"/> Approved in total (S) <input type="checkbox"/> Rejected (S)			
Name: <i>Ma'az Gany</i>		Signature: <i>Ma'az Gany</i>	
General Consultant's Comments:		Date: 10/01	
1- 50 sample was selected from (F.O.T) 2- Good cone test was carried out by third party lab (confirmed) 3- Results attached and formed acceptable and comply with project 4- Final approval is subjected to above additional comment			
The works are : <input type="checkbox"/> Approved (S) <input type="checkbox"/> Approved in total (S) <input type="checkbox"/> Rejected (S)		Signature: <i>Alaa Abdellatif</i>	
Name: <i>Alaa Abdellatif</i>		Date: 10/01	
GARP Engineer's Comments:		Signature: <i>Alaa Abdellatif</i>	
Name:		Signature:	
GARP Eng.			



 وزارة النقل والبنى التحتية Ministry of Transport and Public Works	 سCTR SCTR	 الهيئة العامة للطرق General Authority for Roadways	Serial No. <b>PDT-SG</b> <b>(03)</b>
 سكك الحديد Egyptian Railways	مكتب إدارة النيل Electrical Express Train from Borg El Arab to Al Manshiya From Station 388+00 To Station 329+00	 مركز أبحاث المياه National Water Research Center	Date <b>20/12/2023</b>

**Works Inspection Request**

We request your attendance to inspect the following works:

Discipline :    ☐ Civil/Sign/Roadside    ☒ Structure    ☐ Bridge    ☐ Tunnel

Location :	Zone	From Station	To Station	Level.
	Dreadway	388+500	388+540	prepared subgrade 1

Reference: Drawing:- EET-BDGG EL ARAB REV 29 Plan Profile      Specification: ETLL 1 Earthwork specifications and testing report.

Purpose of the inspection:

☒ Scheduling  
☐ Setting out  
☐ Layout  
☐ Veracity

تاريخ واتى للمشاورات العامة  
 في الساعة ١٢:٠٠ ظهرا يوم الاثنين الموافق ٢٠٢٣-١٢-٢٠  
 في الموقع ٣٨٨+٥٠٠

Attachments:

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Works to be inspected:

  
 مشروع إنشاء الطريق الممراني لخط حديد النيل

Ref: IR-SG(03)

Submitted by:    Dreadway    Abdulhakim      Signature: Abdulhakim

GARP Consultant Engineer's Comments:    ☐ Approved as noted (A)    ☐ Revised Required (R)    ☐ Rejected (R)

The compaction test result (F.O.T) is ok

---

This works are :    ☒ Ground (G)    ☐ As per as noted (A)    ☐ Revised Required (R)    ☐ Rejected (R)

Name: Mazen Gamy      Signature: \_\_\_\_\_

General Consultant's Comments:      Date: \_\_\_\_\_

1-14 sample was selected from (F.O.T)

2-sand cone test was carried out by material engineer for both contractor and GARP consultant

3-Results attached and formed acceptable and comply with project

4-Final approval is subjected to above mentioned comment

This works are :    ☐ Approved (A)    ☒ Approved as noted (A)    ☐ Revised Required (R)    ☐ Rejected (R)

Name: A.P. Abdelkader      Signature: A.P. Abdelkader



# UNIVERSAL INSPECTION REQUEST



DREAM WAY CONSULTING

شركة  
المشروعات  
والاستشارات  
(GARB)



شركة  
المشروعات  
والاستشارات  
(GARB)



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	Dream Way COMPANY		Designer Company*	(SPECTRUM) Engineering Consulting Office
Issued by Contractor	Name Eng. Elsayed Mohamed	Sign 	Date/Serial Number 22/01/2023 SS-B-DW-IR Gr(03)	Time 1:00
Received by GARB CONSULTANT	Eng. Mazen Esamy	UIR 	01 02 03 04 05 06 07 08 09 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	MM YY HH MM 01 2023 01 00

CODE - 1	B1 to S21 Station Reference	D1 to D3 Depot Reference	Kp XXX Note For Kts meter point only Stat Km is used
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CODE - 2	Work Activity
CODE - 3	Sub Element of Activity

### EXPLANATION OF WORK TO BE INSPECTED

Description				Element	Item
From St.	388+300	To St.	388+500	REV 29	OVERLAB 30CM , AREA=3216 M2
From St.	388+483.86	To St.	388+683.86	REV 25	
				Geogrid	

### INSPECTION DETAILS The following will be ready at the Planned inspection Date.

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

### COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as indicated
Drawing Reference	References	MS Reference	
PLAN AND PROFILE (REV.35) (REV.29)	SS-B-DW IR-SG(07) SS-B-DW FDT-SG(17)	-Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41) VERSION2 BY OVECON GROUP. -TECHNICAL REPORT (CG21-122.1) VERSION 1 BY OVECON GROUP.	
POINT OF SHEET			
POINT ON PLAN			
MASTER SHEET FOR CUT AND FILL			
APPROVED BY (SPECTRUM)CONSULTING			

Comments by: Eng. Mohamed KHALIL (XYZ)

- 1- Attached Master Sheet approved by SPECTRUM .
- 2-As Built (Geogrid) with overlab 30 cm . AREA= 3216 M2



Comments by: Eng. Mostafa reyad (SPECTRUM)



Comments by: Eng. Alaa Abd-Allah (GARB)

- 1-The work has been done according to instruction from GARB to contractor & GARB, ENG. consultant.
- 2-Quality test checked by third party lab . ( ALEXANDRIA UNIVERSITY )

### INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng. Elsayed Mohamed				A-AWC-R	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. Mazen Esamy				A	
GARB**	Eng. Margret magdy				A	
Employers Representative	Eng. Alaa Abd-Allah				A	



# UNIVERSAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown:

Contractor Company	Dream way Company		Designer Company*	(SPECTRUM) Engineering Consulting Office																
Issued by Contractor	Name Eng. Abdelrahman atef	Sign <i>Abdelrahman</i>	Date/Serial Number 23/01/2023 IR-GE (3)	Time 12:00 PM																
Received by GARU CONSULTANT	Eng. SAIED SAIF	UIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>C4</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>388</td> <td>EW</td> <td>CS</td> <td>24</td> <td>01</td> <td>2023</td> <td>12</td> <td>00</td> </tr> </table>	C1	C2	C3	C4	MM	YY	HH	MM	388	EW	CS	24	01	2023	12	00	
C1	C2	C3	C4	MM	YY	HH	MM													
388	EW	CS	24	01	2023	12	00													

CODE-1	STATION REFERENCE	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

## EXPLANATION OF WORK TO BE INSPECTED

Description	Element	Item
From St. 388+300 To St. 388+500	GEOGRID LAYER ABOVE (P.S.G1)	GEOGRID LAYER

## INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as indicated
Drawing Reference PLAN AND PROFILE REV.31	I.T.P. References 1-PLAN 2-QUALITY TEST	MS Reference -Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP. -TECHNICAL REPORT (CG21-122.1) VERSION 1 BY CIVECON GROUP.	

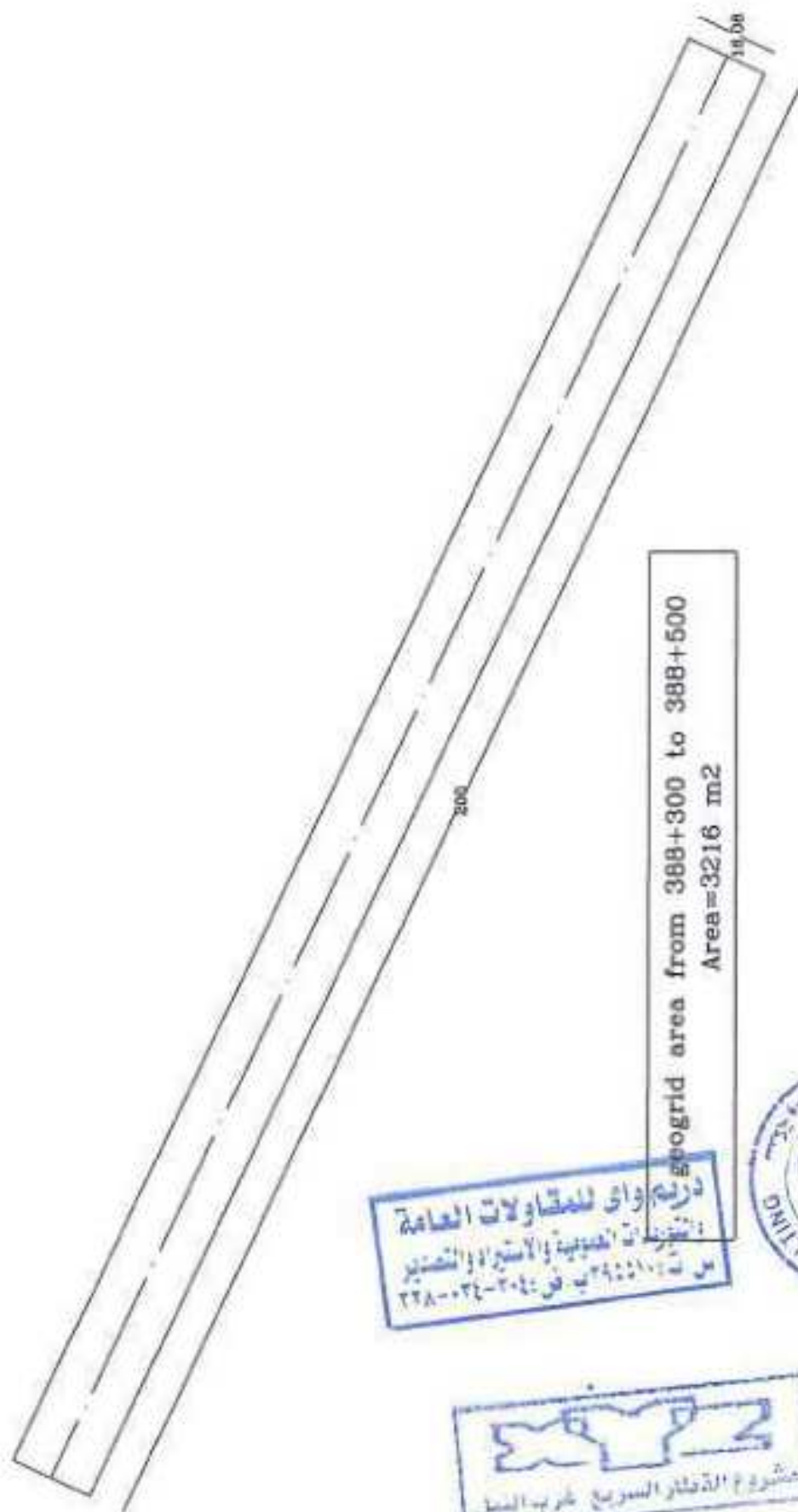
Comments by: Eng. Mohamed Mansour (XYZ)	Comments by: Eng. Alaa Abd-Allatif (SPECTRUM)
1- Attached Master Sheet approved by SPECTRUM.	

Comments by: Eng. Saied Saif (SPECTRUM)	Comments by: Eng. Alaa Abd-Allatif (SPECTRUM)
1- تم استلام القطع فحص بصري 2- تم مراجعة شيت المناصب	1- we need approved typical x sec to use geogrid between 1:5 to 2:1, the work has been according to instruction from GARU as contractor & GARU consultant. 2-xsec/20 m of rev30 should approved from system to calculate area 3-quality test checked by third party 4- final approved in subject to above mentioned comment.

## INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng. Abdelrahman atef	<i>Abdelrahman</i>			A	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. Saied Saif				A	
GARB**	Eng. Mohammed Fayad					
Employers Representative	Eng. Alaa Abd-Allatif	<i>Alaa</i>			AWC	





geogrid area from 388+300 to 388+500  
Area=3216 m2

لجنة واى للمقاولات العامة  
التي تديرها البلدية والاسواق والتشجير  
من ٢٠١٠ الى ٢٠١١  
٢٢٨-٠٢٤-٢٠٤







الساده / شركة دريم واى للمقاولات

تحية طيبة وبعد...

الموضوع :- بشأن الطلب المقدم من سيادتكم بتاريخ ٢٠٢٣/١/٤ لإجراء اختبار على عدد (١) عينة جيو جريد.

بالإشارة إلى الموضوع عالية. نتشرف بأن نرفق لسيادتكم التقرير الذي أعد بواسطة كلا من :-

د. ا / رانيا محمد احمد محروس الديب

د / ياسمين الماحي.

بقسم هندسة الغزل والنسيج وذلك من خلال المركز الهندسي.

مع خالص احترامي وتقديري،،

المدير التنفيذي للمركز الهندسي  
كلية الهندسة - جامعة الاسكندرية

  
ا. د/ زياد محمد طارق الصياد







Customer: Dream Way  
Sample type: Geogrid- biaxial

Sample code	Tensile strength (KN/m)	Elongation (%)
Geogrid- biaxial According to ASTM (D6637-B)	44.2	13.29

The laboratory is responsible only for the sample provided.  
The sample provided is responsibility of the supplier.  
The result has a tolerance  $\pm 5\%$

Created by:

Dr. Yasmin Ayman Mohamed Hafez Elmahy

Approved by:

Prof. Dr. Rania Mohamed Ahmed Eldeeb





Contractor Company		DREAM WAY COMPANY		Designer Company		SPECTRUM CONSULTING	
Issued by Contractor	Name	Sign	Date/Serial Number		Time		
	Eng. Abdelrahman Ataf		22/11/2022 (M.A.R.12-1)		3:00 PM		
Received by GARB CONSULTANT	Eng. Momen Essawy		Date	Time			
				22/11/2022	3:00 PM	3:00 PM	3:00 PM

KPI 1	51 to 521	53 to 52	53 to 52
	Station Reference	Direct Reference	For Kilometer point only Start/End is used
KPI 2	Start Activity		
KPI 3	Sub Element of Activity		

Description of Materials	PREPARED SUBGRADE 1				
Location to be Used	From	388+300	TO	388+500	
MAR & UIR Approval No	UIR -SG 07		Date	22/11/2022	
	M.A.R.(12-1)			28/11/2022	
Supplier Name	ELSEWY, Dream way				
Test Requirement	F.D.T (ASTM D 1556)		Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (C023-41.2) VERSION 3 BY OVECON GROUP	
Reference Photos	No/Yes		Other		
Item	Description	Unit	Quantity	Arrival Date	Note
1	SAND CONE TEST	NUMBER	20		
2					
3					
4					
Comments by: Eng. Momen Essawy (SPECTRUM)			Comments by: Eng. Alaa Abd-Allah (ER)		
 <p>1-The Compaction Test Result F.D.T. (ASTM D 1556) is approved.</p>			<p>1-F.D.T was carried- out by material engineer for both contractor and GARB Consultant</p> <p>2-Results report attached and acceptable with project specifications.</p> <p>3-Final approval is submitted above mentioned comments.</p> 		

APPROVAL STATUS				
Organization	Name	Sign	Date	A-AWC-R
Contractor	Eng. Abdelrahman Ataf			A
QA/QC*	Eng. Momen Essawy			A
GARB**	Eng. Mohammed Fayed			
Employers Representative	Eng. Alaa Abd-Allah		2023 24/11	AWC

\* Designer

\*\* Alignment/Bridges/Culverts only



# UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at proposed time shown

Contractor Company	Dream Way COMPANY			Designer Company*	(SPECTRUM) Engineering Consulting Office			
Issued by Contractor	Name	Sign		Date/Serial Number		Time		
	Eng. Elsaed Mohamed			12/02/2023 SS-B-DW-IR Gr(05)		1:00 p		
Received by GARB CONSULTANT	Eng. Mazen Esamy			UIR	D1	D2	D3	D4
					100	EW	CS	13

CODE-1	S1 to S21 Station Reference	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used					
--------	--------------------------------	--------------------------	---	--	--	--	--	--

CODE - 2	Work Activity							
----------	---------------	--	--	--	--	--	--	--

CODE - 3	Sub Element of Activity							
----------	-------------------------	--	--	--	--	--	--	--

## EXPLANATION OF WORK TO BE INSPECTED

Description				Element		Item
From St.	388+000	To St.	388+200	REV 29	Geogrid	OVERLAP 30CM , AREA=3216 M2
From St.	388+183.88	To St.	388+383.88	REV 35		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

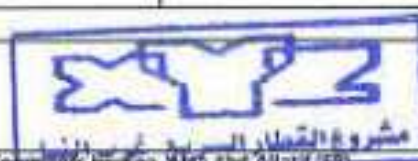
Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as indicated
Drawing Reference	References	MS Reference	
PLAN AND PROFILE (REV.35) , (REV.29)	SS-B-DW IR-SG(11)	-Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (C621-41.2) VERSION 2 BY CIVECON GROUP. -TECHNICAL REPORT (C621-122.1) VERSION 1 BY CIVECON GROUP.	
POINT OF SHEET	SS-B-DW FBT-SG(11)		
POINT ON PLAN			
MASTER SHEET FOR CUT AND FILL			
APPROVED BY (SPECTRUM)CONSULTING			

Comments by: Eng. Mohamed KHALIL (XYZ)

- 1- Attached Master Sheet approved by SPECTRUM .
- 2-As Built (Geogrid) with overlap 30 cm , AREA= 3216 M2



Comments by: Eng. Mostafa reyad (SPECTRUM)



Comments by: Eng. Alaa Abd-Allatif (GARB)

- 1-The work has been done according to instruction from GARB to contractor & GARB. (ENG. consultant.
- 2-Quality test checked by third party lab. ( ALEXANDRIA UNIVERSITY )

## INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng. Elsaed Mohamed				A-AWC-R	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. Mazen Esamy				A	
GARB**	Eng. Margret magdy				A	
Employers Representative	Eng. Alaa Abd-Allatif				A	



# UNIVERSAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	Dream way Company		Designer Company*	(SPECTRUM) Engineering Consulting Office																
Issued by Contractor	Name Eng. Abdelrahman atef	Sign <i>Abdelrahman</i>	Date/Serial Number 12/02/2023 IR-GE (5)	Time 12:00 PM																
Received by GARB CONSULTANT	Eng. SAIED SAIF	UIR <i>[Signature]</i>	<table border="1"> <tr> <th>C1</th> <th>C2</th> <th>C3</th> <th>CD</th> <th>MM</th> <th>YY</th> <th>HH</th> <th>MM</th> </tr> <tr> <td>388</td> <td>EW</td> <td>C5</td> <td>13</td> <td>02</td> <td>2023</td> <td>12</td> <td>00</td> </tr> </table>	C1	C2	C3	CD	MM	YY	HH	MM	388	EW	C5	13	02	2023	12	00	
C1	C2	C3	CD	MM	YY	HH	MM													
388	EW	C5	13	02	2023	12	00													

CODE-1	STATION REFERENCE	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

EXPLANATION OF WORK TO BE INSPECTED			
Description	Element	Item	
From St. 388+000 To St. 388+200	GEOGRID LAYER ABOVE (P.S.G1)	GEOGRID LAYER	

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time	
Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate			
Checklist Attached	Test Results Attached	Calibration Attached	Other as Indicated
Drawing Reference PLAN AND PROFILE REV.31	I.T.P. References 1-PLAN 2-QUALITY TEST	MS Reference -Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP -TECHNICAL REPORT (CG21-172.1) VERSION 1 BY CIVECON GROUP	

Comments by: Eng. Mohamed Mansour (XYZ)	<i>[Signature]</i>
1- Attached Master Sheet approved by SPECTRUM.	<i>[Signature]</i>

Comments by: Eng. Saied Saif (SPECTRUM)	Comments by: Eng. Alaa Abd-Allatif (ER)
1- تم استلام القطاع فحص لمصر 2- تم مراجعة شيت المتناسقة	1-we need approved typical x sec to use geogrid between sg1&sg2 ,the work has been according to instruction from GARB to contractor&GARB consultant. 2-xsec/20 m of rev30 should approved from systra to calculate area 3-quality test checked by third party lab. 4-final approved in subject to above mentional command

INSPECTION RESULT					Approval Status	Please Tick if Not Attend
Organisation	Name	Sign	Date	Time		
Contractor	Eng. Abdelrahman atef	<i>Abdelrahman</i>			A	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. Saied Saif	<i>[Signature]</i>			A	
GARB**	Eng. Mohammed Fayad					
Employers Representative	Eng. Alaa Abd-Allatif	<i>[Signature]</i>			A	





مركز واى للمقاولات العامة  
التي تملكها الشركة العامة  
للبنية التحتية والاساسات  
من ٢٠١٠ الى ٢٠٢٠



Geogrid area from 388+00 to 388+200  
Area 3216 m2



السادہ / شرکتہ دریم وای للمقاولات  
تحیہ طیبہ وبعد...

الموضوع :- بشأن الطلب المقدم من سيادتكم بتاريخ ٢٠٢٣/١/٤ لإجراء اختبار على عدد (١) عينة جيوجريد.

بالإشارة إلى الموضوع عالية. نتشرف بأن نرفق اسبائلكم التقرير الذي أعد بواسطة كلا من :-

د.د / رانيا محمد احمد محروس الشيب

د / ياسمين الماحي.

بقسم هندسة الغزل والنسيج وذلك من خلال المركز الهندسي.

مع خالص احترامی و تقدیری،

المدير التنفيذي للمركز الهندسي  
كلية الهندسة - جامعة الاسكندرية

١. د/ زياد محمد طارق الصياد



تحریر: فی ۱۱ ستمبر ۲۰۲۴ء

دراسات في الطبقات العامة  
والطبقة المتوسطة والاسواق الصغيرة  
ص ٣٠٤-٣٠٦، ٣٠٧-٣٠٨





Customer: Dream Way  
Sample type: Geogrid- biaxial

Sample code	Tensile strength (KN/m)	Elongation (%)
Geogrid- biaxial According to ASTM (D6637-B)	44.2	13.29

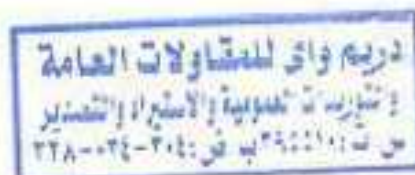
The laboratory is responsible only for the sample provided.  
The sample provided is responsibility of the supplier.  
The result has a tolerance  $\pm 5\%$

Created by:

Dr. Yasmin Ayman Mohamed Hafez Elmahy

Approved by:

Prof. Dr. Rania Mohamed Ahmed Eldeeb





# MATERIAL INSPECTION REQUEST



WAY

مكتب  
المشاورين  
الهندسة  
(SAR)



مكتب  
المشاورين  
الهندسة  
(SAR)



Contractor Company			DREAM WAY COMPANY			Designer Company			SPECTRUM Engineering Consulting Office					
Issued by Contractor	Name		Sign		Date/Serial Number			Time						
	Eng. Abdelrahman Azef				07/02/2023			3:00 PM						
					MURSS 11									
Received by GARB CONSULTANT	Eng. Mazen Essamy				NO		388	1W	CS	E	1	13	3	0

COST	11 to 33	33 to 39	39 to 45
	Station Reference	Depth Reference	For 100m point only Start Km is used
11 to 33	Work Activity		
33 to 39	Sub Element of Activity		

Description of Materials		PREPARED SUBGRADE 1				
Location to be Used		From	388+000	TO	388+200	
MAR & UIR Approval No		UIR -SG 11		Date	07/02/2023	
		M.A.R.(13-1)			(10/13/2022)	
Supplier Name		ELSEWY, Dream way				
Test Requirement		F.D.T(ASTM D 1556)		Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (2022-41.1) VERSION 2 BY OUSCO GROUP	
Reference Photos		No/Yes		Other		
Item	Description		Unit	Quantity	Arrival Date	Note
1	SAND CONE TEST		NUMBER	20		
2						
3						
4						

Comments by: Eng. Mazen Essamy (SPECTRUM)	Comments by: Eng. Alex Abd-Allah (ER)
 1-The Compaction Test Result F.D.T (ASTM D 1556) is approved.	1-F.D.T was carried out by material engineer for both contractor and GARB Consultant 2-Results report attached and acceptable with project specifications. 3-Final approval is subject to above mentioned comments. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>درجہ ذیل تصدیقات و توثیقات کے ساتھ منظور کیا گیا ہے۔</p> <p>تصدیق کنندہ: ماسٹر انجینئر / ماسٹر ٹیسٹنگ انجینئر</p> <p>ب. ن. ۳۹۲۱۰ ب. ق. ۲۰۱-۲۰۳-۰۳۱-۲۲۸</p> </div>

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Abd el rahman azef			A
QA/QC *	Eng. Mazen Essamy			A
GARB **	Eng. Mohammed Fayal			
Employers Representative	Eng. Alex Abd-Allah			AWC

\* Designer

\*\* Approver/Signer/Owner only

11/02



السادہ / شرکتہ دریم وای للمقاولات

تحيةة طيبة وبعد...

الموضوع :- بشأن الطلب المقدم من سيادتكم بتاريخ ٢٠٢٣/١/٤ لإجراء اختبار على عدد (١) عينة

**جيو جزيدي**

بالإشارة إلى الموضوع أعلاه، نتشرف بأن درفق لمبادئكم التقرير الذي أعد بواسطة كلا من :-

د. / رانيا محمد احمد محروس الشيب

د / ياسمين الماحي

بقسم هندسة الغزل والنسيج وذلك من خلال المركز الهندسي.

مع خالص احترامي وتقديري،،

المدير التنفيذي للمركز الهندسي  
كلية الهندسة - جامعة الاسكندرية

٢٤٩١٠١٥  
١. د/ زياد محمد طارق الصبيح



دولیم وائی لٹیراویات العامة  
الطبعة الأولى: ١٩٨٠  
من: ٢٠٠٠ - ٢٠٠١





Customer: Dream Way  
Sample type: Geogrid- biaxial

Sample code	Tensile strength (KN/m)	Elongation (%)
Geogrid- biaxial According to ASTM (D6637-B)	44.2	13.29

The laboratory is responsible only for the sample provided.  
The sample provided is responsibility of the supplier.  
The result has a tolerance  $\pm 5\%$

Created by:  
Dr. Yasmin Ayman Mohamed Hafez Elmahy



Approved by:  
Prof. Dr. Rania Mohamed Ahmed Eldeeb





Contractor Company	Dream Way	Designer Company	SPECTRUM ENGINEER CONSULTING OFFICE
Issued by Contractor	Name: Eng. SAEED MOHAMMED	Sign: [Signature]	Date/Serial Number: 16/1/2023 (SS-B-DW) (P.L.T.07)
Received by GARB CONSULTANT	Eng. MAZEN ESSAMY	Sign: [Signature]	Time: 10:00 AM

CODE	S1 to S21	D1 to S2	Kp XXX Note
Station Reference	Station Reference	Station Reference	For Kilometer point only Start Km is used
Work Activity	Work Activity	Work Activity	Work Activity
Sub Element of Activity	Sub Element of Activity	Sub Element of Activity	Sub Element of Activity

Description of Materials		FERMA				
Location to be Used		REV.29	388+200	TO	388+300	
		REV.35	388+383.86		388+483.86	
Supplier Name		محاجر السيوي - العلمين				
Test Requirement		P.L.T (DIN 18134)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (EQ21-A1.2) VERSION 2 BY CHESON GROUP		
Reference Photos		No/Yes	Other	SS-B-DW-IR-5(52) SS-B-DW-QT(19-1)		
Item	Description		Unit	Quantity	Arrival Date	Note
1	PLATE LOAD TEST		NUMBER	4	18/1/2023	
2						
3						
4						

Comments by: Eng. MAZEN ESSAMY (spectrum)	Comments by: Eng. Alaa Abd-Allatif (ER)
<p>1-The Plate Load Test Result (P.L.T. (DIN 18134)) is Approved.</p> <p>SPECTRUM ENGINEERING CONSULTING</p>	<p>1-P.L.T was carried- out by third party lab (CEL) -</p> <p>2-Results report attached and acceptable with project specifications.</p>

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. SAEED MOHAMMED	[Signature]		A
QA/QC*	Eng. MAZEN ESSAMY	[Signature]		A
GARB**	Eng. Margret magdy	[Signature]		
Employers Representative	Eng. Alaa Abd-Allatif	[Signature]		A

\* Designer

\*\* Alignment/Bridges: Consultant only

دراسة وادى للمقاولات العامة  
مجلس إدارة الطرق والكباري  
مجلس إدارة الطرق والكباري  
مجلس إدارة الطرق والكباري



Contractor Company	DREAM WAY			Designer Company				SPECTRUM Engineering Consulting Office				
Issued by Contractor	Name	Sign			Date/Serial Number				Time			
	Eng. Abdelrahman Ataf				17/1/2023				3:00 PM			
					PLT(08)							
Received by GARD CONSULTANT	Eng. Mazen Essamy		MHL	CL	C2	C3	DO	MM	YY	MM	MM	
				388	EW	C3	18	1	23	3	8	

Code	S3 to S25	D5 to S3	Rp XXX Note
	Station Reference	Depot Reference	For Kilometer point only Start Km is used
	Work Activity		
	Sub Element of Activity		

Location to be Used	From	388+200	TO	388+300
MAR	QT(12-2)	Date	20/12/2022	
Supplier Name	ELSEWY , Dream way			
Test Requirement	PLATE LOAD TEST ON FERMA	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (G23 4L2) VERSION 3 BY OVECON GROUP	
Reference Photos	No/Yes	Other	UIR -5-4B	

Item	Description	Unit	Quantity	Arrival Date	Note
1	PLT BY CONSULTING ENGINEERING BUREAU & LABORATORIES	NUMBER	2		
2					
3					
4					

Comments by: Eng. Mazen Essamy (SPECTRUM)	Comments by: Eng. Alaa Abd-Allah (ER)
 <p>1-The plate load test result by third party is approval</p>	<p>1-2 points of plt. was carried- out by (CEL) on ferma layer</p> <p>2-Results report attached and acceptable with project specifications.</p> <p>3-Final approval is subject to above mentioned comments.</p>

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Abd el rahman ataf			A
QA/QC *	Eng. Mazen Essamy			A
GARD**	Eng. Mohammed Fayad			
Employers Representative	Eng. Alaa Abd-Allah			AWC

\* Designer

\*\* Alignment/Width/Chert only

19/101



Contractor Company	AlMotahada 2 CO. for Contracting and Paving Roads			Designer Company	(SPECTRUM) Engineering Consulting Office																																
Issued by Contractor	Name	Signy	Date/Serial Number	Time																																	
	Eng. Abdelrahman Ataf		17/3/2023	3:00 PM																																	
			PLT(02)																																		
Received by GARB CONSULTANT	Eng. Mazen Essamy		MIR	<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width:10%;">01</td><td style="width:10%;">02</td><td style="width:10%;">03</td><td style="width:10%;">04</td><td style="width:10%;">05</td><td style="width:10%;">06</td><td style="width:10%;">07</td><td style="width:10%;">08</td><td style="width:10%;">09</td><td style="width:10%;">10</td> </tr> <tr> <td>100</td><td>101</td><td>102</td><td>103</td><td>104</td><td>105</td><td>106</td><td>107</td><td>108</td><td>109</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				01	02	03	04	05	06	07	08	09	10	100	101	102	103	104	105	106	107	108	109										
01	02	03	04	05	06	07	08	09	10																												
100	101	102	103	104	105	106	107	108	109																												

1000.1	S1 to S23	D1 to D3	Kp XXX Note
	Station Reference	Depot Reference	For Kilometer point only Start Km is used
1000.2	Work Activity		
1000.3	Sub Element of Activity		

Location to be Used	From	388+200	TO	388+300
MAR		Date	15/1/2023	
Supplier Name	ELSEWY , Dream way			
Test Requirement	PLATE LOAD TEST	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (GS23-42.2) VERSION 2 BY DVECON GROUP	
Reference Photos	No/Yes	Other	uik—	
Item	Description	Unit	Quantity	Arrival Date
1	PLT BY CONSULTING ENGINEERING BUREAU&LABORATORIES	NUMBER	2	
2				
3				
4				

Comments by: Eng. Mazen Essamy (SPECTRUM)	Comments by: Eng. Alex Abd-Allah (ER)
 <p>1-The plate load test result by third party is approval</p>	<p>1-2 points of pit was carried- out by (CEL) on forma layer</p> <p>2-Results report attached and acceptable with project specifications.</p> <p>3-Final approval is subject to above mentioned comments.</p>

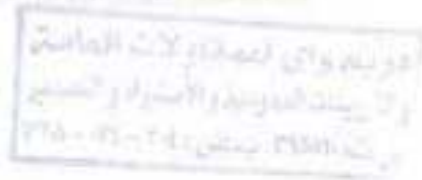
APPROVAL STATUS				
Organisation	Name	Signy	Date	A-AWC-R
Contractor	Eng. Abd el rahman ataf			A
QA/QC*	Eng. Mazen Essamy			A
GARB**	Eng. Mohammed Fayad			
Employers Representative	Eng. Alex Abd-Allah			

\* Designer  
 \*\* Alignment/Bridges Elevation only



Company : شركة دريم واى

**Project** : Electric Express Train, Al Ain Sokhna to Marsa Matrouh Priority Sector (6)  
- Borg AlArab to Foka  
**Subject** : Determine the deformation and strength characteristics of soil by the plate loading test according specifications DIN 18134:2012-04 and project requirements  
**Test Location:** Station 388+200 to 388+300  
**Test Date** : 17/01/2023  
**Report Date** : 18/01/2023  
**Type of Soil** : A-1-a  
**Type of soil** : Upper Embankment (Ferma).  
**Report No.** : 96:97



Dear Gentleman,

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 to measuring the settlement
4. Steel straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reactive loads to the loading plates
6. Dial indicator measuring device with scale capacity 700 Bar (Enerbac)
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 limit values are 2.5 kg/cm<sup>2</sup>
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 (2<sup>nd</sup>) 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

أرسلت إلى المقارنات العامة  
والتربة المرسية (المنوع) المرسية  
المرسية 2023-01-17

## Report

**Type of Soil :** Upper Embankment (Ferma).  
**Job Requirement :**  $E_{v2} > 600 \text{ Kg/cm}^2$  (60 MPa).

Item	Descriptions
- Type of bedding material below the plate	Natural Soil
- Weather condition	Partly Sunny
- Plate Diameter (mm)	600
- date of measurement	17/01/2023
- 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	$E_{v2}/E_{v1}$ Ratio
	From	To	$E_{v1} \text{ (kg/cm}^2\text{)}$	$E_{v2} \text{ (kg/cm}^2\text{)}$	
1	388+200	388+250	1607	1607	1.0
2	388+250	388+300	1286	2045	1.6

Signature /

  
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Consulting Engineering Bureau & Laboratories

مكتب معامل الاستشارات الهندسية



Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 17/01/2023  
report date : 18/01/2023  
Location : Station 388+200 to 388+250  
Test No. : 1

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

**Data sheet**

**Loading Stage (1)**

Loading	Stress Kg/cm2	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	19.84	0.16	19.83	0.17	19.90	0.10	0.14
2	0.83	19.71	0.29	19.70	0.30	19.78	0.22	0.27
3	1.25	19.60	0.40	19.58	0.42	19.65	0.35	0.39
4	1.67	19.48	0.52	19.46	0.54	19.55	0.45	0.50
5	2.08	19.36	0.64	19.34	0.66	19.46	0.54	0.61
6	2.50	19.26	0.74	19.24	0.76	19.37	0.63	0.71

**Unloading Stage (1)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.26	0.74	19.24	0.76	19.37	0.63	0.71
2	1.25	19.30	0.70	19.30	0.70	19.40	0.60	0.67
3	0.825	19.46	0.54	19.48	0.52	19.56	0.44	0.50
4	0.01	19.74	0.26	19.78	0.22	19.82	0.18	0.22

**Loading Stage (2)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.67	0.33	19.58	0.32	19.78	0.22	0.29
1	0.83	19.56	0.44	19.54	0.46	19.66	0.34	0.41
2	1.25	19.45	0.55	19.42	0.58	19.54	0.46	0.53
3	1.67	19.35	0.65	19.32	0.68	19.44	0.56	0.63
4	2.08	19.25	0.75	19.22	0.78	19.36	0.64	0.72
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature

  
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تليفون : ٢٧٣٦٧٢٣١ - ٢٧٣٦٣٠٩٣  
www.cel-egypt.com



Company Name : dream Way Co.  
Project : Electric Express Train, from Borg El Arab to Alamein.  
Test Date : 17/01/2023  
report date : 18/01/2023  
Location : Station 388+200 to 388+250  
Test No. : 1

مريم وائل لا يملك آلات القياس  
والقياسات الهندسية والأشغال والتشييد  
بمكتب معامل الإستشارات الهندسية

#### Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (t)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm²)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.14	0.27	0.39	0.50	0.61	0.71

UnLoading (t)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm²)	2.50	1.25	0.625	0.01
Settlement (mm)	0.71	0.67	0.50	0.22

D (mm) =	600	S1 (mm) =	0.24	S2 (mm) =	0.52	ΔS =	0.28
Ev1 (kg/cm²) =	(0.75 * D * Δσ) / ΔS						1607

Loading (2)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm²)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.22	0.29	0.41	0.53	0.63	0.72

$$Ev2/Ev1 = 1.6$$

D (mm) =	600	S1 (mm) =	0.38	S2 (mm) =	0.66	ΔS =	0.28
Ev2 (kg/cm²) =	(0.75 * D * Δσ) / ΔS						1607

Ev1 = Modulus of deformation during the loading stage.

Ev2 = Modulus of deformation during the Reloading stage.

D = Plate diameter (mm)

Δσ = The difference between S2 and S1 from the maximum loading (σmax) (kg/cm²)

ΔS = Difference in settlements corresponding to S2 and S1 from the maximum loading (mm)

Signature:   
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مكتب معامل الإستشارات الهندسية  
مركز أبحاث وتطوير  
مبنى ٢٩٨٩٩ - ٢٩٨٩٩ - ٢٩٨٩٩

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 17/01/2023  
report date : 18/01/2023  
Location : Station 388+250 to 388+300  
Test No. : 2

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

Data sheet

**Loading Stage (1)**

Loading	Stress Kg/cm2	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	19.82	0.18	19.83	0.17	19.83	0.17	0.17
2	0.83	19.70	0.30	19.71	0.29	19.71	0.29	0.29
3	1.25	19.58	0.42	19.51	0.49	19.57	0.43	0.45
4	1.67	19.37	0.63	19.41	0.59	19.43	0.57	0.60
5	2.08	19.25	0.75	19.28	0.72	19.32	0.68	0.72
6	2.50	19.14	0.86	19.18	0.82	19.21	0.79	0.82

**Unloading Stage (1)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.14	0.86	19.18	0.82	19.21	0.79	0.82
2	1.25	19.17	0.83	19.22	0.78	19.26	0.74	0.78
3	0.625	19.21	0.79	19.26	0.74	19.41	0.59	0.71
4	0.01	19.54	0.46	19.58	0.42	19.81	0.19	0.36

**Loading Stage (2)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.46	0.54	19.50	0.50	19.65	0.35	0.46
1	0.83	19.40	0.60	19.41	0.59	19.51	0.49	0.56
2	1.25	19.34	0.66	19.32	0.68	19.37	0.63	0.66
3	1.67	19.23	0.77	19.23	0.77	19.31	0.69	0.74
4	2.08	19.12	0.88	19.10	0.90	19.26	0.74	0.84
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature

مكتب معامل الإستشارات الهندسية  
مركز أبحاث وتطوير  
مبنى ٢٩٨٩٩ - ٢٩٨٩٩ - ٢٩٨٩٩





# CEL

**Consulting Engineering Bureau & Laboratories**  
مكتب معامل الاستشارات الهندسية

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 17/01/2023  
report date : 18/01/2023  
Location : Station 388+250 to 388+309  
Test No. : 2

## Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (t)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm²)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.17	0.29	0.45	0.60	0.72	0.82

UnLoading (t)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm²)	2.50	1.25	0.625	0.01
Settlement (mm)	0.82	0.78	0.71	0.56

D (mm) =	600	S1 (mm) =	0.27	S2 (mm) =	0.42	ΔS =	0.35
Ev1 (kg/cm²) =	(0.75 * D * Δs) / ΔS						1286

Loading (2)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm²)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.36	0.46	0.56	0.66	0.74	0.84

$$Ev2/Ev1 = 1.4$$

D (mm) =	600	S1 (mm) =	0.54	S2 (mm) =	0.76	ΔS =	0.22
Ev2 (kg/cm²) =	(0.75 * D * Δs) / ΔS						2045

Ev1 = Modulus of deformation during the loading stage.  
Ev2 = Modulus of deformation during the Reloading stage.  
D = Plate diameter (mm)  
Ds = The difference between 0.3 and 0.7 from the maximum loading (smax) (kg/cm²)  
DS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)







Contractor Company	Dream Way	Designers Company	SPECTRUM ENGINEER CONSULTING	Office	Time	10:00 AM
Issued by Contractor	Eng. SAIED MOHAMMED	Date/Serial Number	30/01/2023	(55-B-DW) (P.L.T.10)		
Received by GARB	Eng. MAZEN ESSAMY	MR				

UNIT 1	Unit Authority		
	Sub Element of Activity		
	Student Reference	Expert Reference	For Reference point only Start time is used
	S3 to S2L	P1 to SA	KP XXXI Note

Description of Materials	FERMA	REV.29	388+000	TO	388+383.86
		REV.35	388+183.86		388+383.86
Location to be Used					

Supplier Name	Control Systems				
Test Requirement	P.L.T (DIN 18134)	Specification	55-B-DW-18-5134 EARTHWORK SPECIFICATIONS & TESTING REPORT (05-21-41.1) VERSION 2 BY CHANON GROUP	Reference Photos	No/Yes
		Other	55-B-DW-18-5134 55-B-DW-QT(20-1)		
Item	Description	Unit	Quantity	Arrival Date	Note
1	PLATE LOAD TEST	NUMBER	4	1/2/2023	
2					
3					
4					



RECEIPT OF NOTIFICATION-Minimum Notice Period not less than 24 Hours														
The Work described below will be complete and ready for inspection at planned time shown														
Contractor Company														
Dream way Company														
Name														
Eng. Abdelrahman atef														
Signature														
Date/Serial Number														
30/01/2023														
Time														
3:00 PM														
Received by GARB														
Eng. mazen essam														
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Company Name : dream Way Co.  
Project : Electric Express Train, from Borg El Arab to Alamein.  
Test Date : 31/01/2023  
report date : 01/02/2023  
Location : Station 388+000 to 388+050  
Test No. : 05

**Nonrepetitive Static Plate Load Tests of Soils**  
DIN 18134

Data sheet

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	20.00	0.00
1	0.42	19.89	0.11	19.66	0.32	19.81	0.19	19.81	0.21
2	0.83	19.75	0.25	19.54	0.46	19.64	0.36	19.64	0.36
3	1.25	19.62	0.38	19.40	0.60	19.48	0.52	19.48	0.50
4	1.67	19.48	0.52	19.24	0.76	19.34	0.66	19.34	0.66
5	2.08	19.35	0.65	19.12	0.88	19.19	0.81	19.19	0.78
6	2.50	18.15	0.85	18.92	1.08	19.00	1.00	19.00	0.98

**Unloading Stage (1)**

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
1	2.50	19.15	0.65	18.92	1.08	19.00	1.00	19.00	0.98
2	1.25	19.24	0.76	19.01	0.88	19.08	0.92	19.08	0.80
3	0.625	19.42	0.58	19.20	0.80	19.26	0.74	19.26	0.71
4	0.01	19.72	0.28	19.53	0.47	19.59	0.41	19.59	0.39

**Loading Stage (2)**

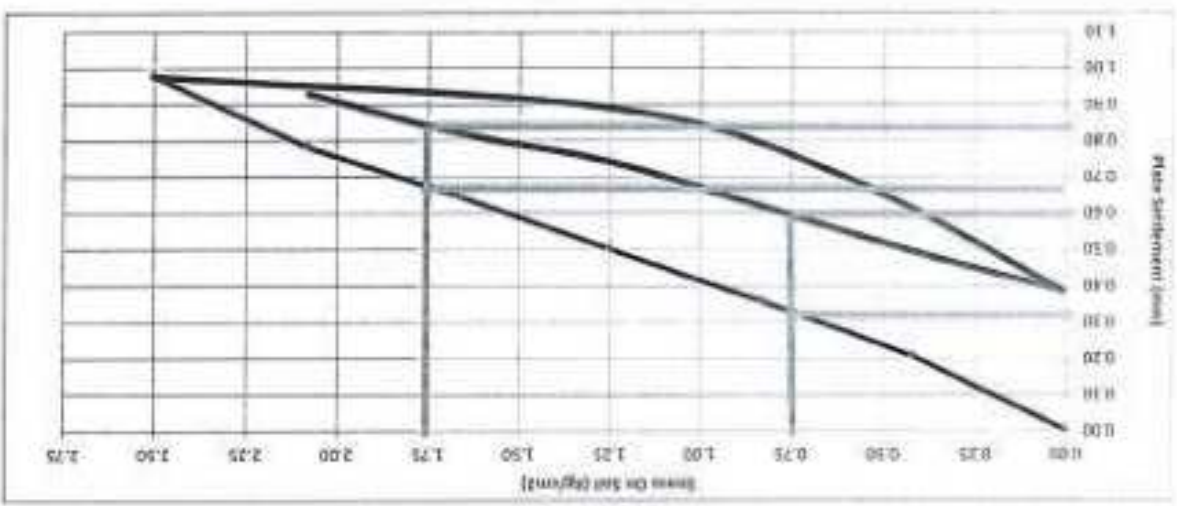
Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
0	0.42	19.64	0.36	19.41	0.59	19.47	0.53	19.47	0.49
1	0.83	19.52	0.48	19.29	0.71	19.34	0.66	19.34	0.62
2	1.25	19.40	0.60	19.17	0.83	19.21	0.79	19.21	0.74
3	1.67	19.37	0.63	19.07	0.93	19.10	0.90	19.10	0.82
4	2.08	19.27	0.73	18.92	1.08	19.02	0.98	19.02	0.93





Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 31/01/2023  
Report date : 01/02/2023  
Location : Station 388+000 to 388+050  
Test No. : 05

**Nonrepetitive Static Plate Load Tests of Soils  
DIN 18134**



Loading (t)	Stage (kg)	Stress (kg/cm²)	Settlement (mm)
0	0	0.00	0.00
1	1188.92	0.42	0.21
2	2345.6	0.83	0.36
3	3532.5	1.25	0.50
4	4719.4	1.67	0.65
5	5878.1	2.08	0.78
6	7065	2.50	0.98

Loading (t)	Stage (kg)	Stress (kg/cm²)	Settlement (mm)
0	0	0.01	0.39
1	1188.92	0.42	0.48
2	2345.6	0.83	0.62
3	3532.5	1.25	0.74
4	4719.4	1.67	0.82
5	5878.1	2.08	0.93

Unloading (t)	Stage (kg)	Stress (kg/cm²)	Settlement (mm)
1	7065	2.50	0.98
2	3533	1.25	0.69
3	1768	0.625	0.71
4	0	0.01	0.39

EV2/EV1 = 1.6



EV1 = Radius of deformation during the loading stage  
EV2 = Radius of deformation during the unloading stage  
D = Plate diameter (mm)  
Ds = The difference between Ds and Dt from the maximum loading (mm)  
DS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)

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Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 31/01/2023  
report date : 01/02/2023  
Location : Station 388+050 to 388+100  
Test No. : 06

**Nonrepetitive Static Plate Load Tests of Soils**  
DIN 18134

Data sheet

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
0	0.00	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.42	13.78	19.78	0.22	19.84	0.16	19.69	0.31	0.23
2	0.83	19.60	19.60	0.40	19.71	0.29	19.50	0.50	0.40
3	1.25	19.38	19.38	0.62	19.37	0.43	19.35	0.66	0.57
4	1.67	19.20	19.20	0.80	19.40	0.60	19.21	0.79	0.73
5	2.08	19.04	19.04	0.96	19.22	0.78	19.04	0.96	0.90
6	2.50	18.90	18.90	1.10	18.02	0.98	18.91	1.09	1.06

**Unloading Stage (1)**

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
1	2.50	18.90	1.10	19.02	0.98	18.91	1.09	1.06	1.06
2	1.25	19.00	1.00	19.10	0.90	19.03	0.97	0.90	0.90
3	0.625	19.28	0.72	19.31	0.69	19.19	0.81	0.74	0.74
4	0.01	19.60	0.40	19.60	0.40	19.58	0.42	0.41	0.41

**Loading Stage (2)**

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
0	0.42	19.50	0.50	19.48	0.52	19.50	0.50	0.51	0.51
1	0.83	19.38	0.62	19.30	0.70	19.36	0.64	0.65	0.65
2	1.25	19.25	0.75	19.13	0.87	19.21	0.79	0.80	0.80
3	1.67	19.13	0.87	19.02	0.98	19.11	0.89	0.91	0.91
4	2.08	19.00	1.00	18.93	1.07	19.00	1.00	1.02	1.02



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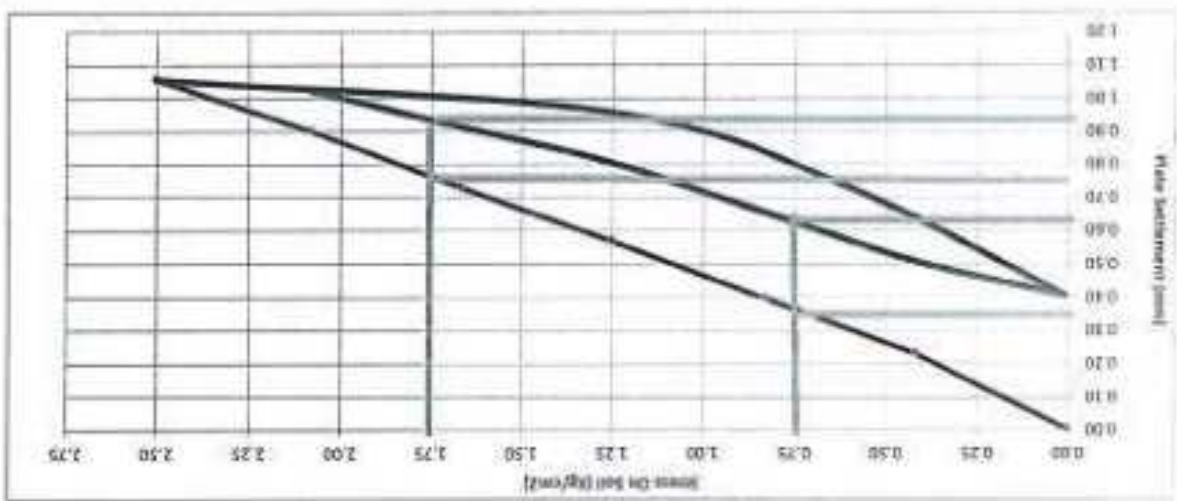


Company Name  
Project  
Test Date  
Report date  
Location  
Test No.

dream Way Co.  
Electric Express Train, from Borg El Arab to Alamein.  
31/01/2023  
01/02/2023  
Station 388+050 to 388+100  
06

مكتب مهندسي الاستشارات والاختبار  
31/01/2023  
01/02/2023  
Station 388+050 to 388+100  
06

**Nonrepertitive Static Plate Load Tests of Soils  
DIN 18134**



Loading (t)	Stage(Kg)	Stress (Kg/cm²)	Settlement (mm)
0	1186.92	0.00	0.00
1	2345.6	0.42	0.23
2	3532.5	0.83	0.40
3	4719.4	1.25	0.57
4	5878.1	1.67	0.73
5		2.08	0.90
6		2.50	1.06

D (mm) = 600		EV1 (kg/cm²) = (6.75'D³)/AS	
S1 (mm)	S2 (mm)	S1 (mm)	S2 (mm)
0.35	0.75	1125	0.40

Loading (t)	Stage(Kg)	Stress (Kg/cm²)	Settlement (mm)
0	1186.92	0.00	0.00
1	2345.6	0.42	0.01
2	3532.5	0.83	0.01
3	4719.4	1.25	0.01
4	5878.1	1.67	0.01
5		2.08	0.01
6		2.50	0.01

D (mm) = 600		EV2 (kg/cm²) = (6.75'D³)/AS	
S1 (mm)	S2 (mm)	S1 (mm)	S2 (mm)
0.82	0.82	1500	0.38

EV1 = modulus of deformation during the loading stage.  
EV2 = modulus of deformation during the reloading stage.  
D = plate diameter (mm)  
DS = Difference in settlement corresponding to 0.3 and 0.7 from the maximum loading (mm)  
219-091-837  
0102-20230000151



EV2/EV1 = 1.3

Unloading (t)	Stage(Kg)	Stress (Kg/cm²)	Settlement (mm)
4	7065	2.50	1.06
3	5878.1	2.08	0.90
2	4719.4	1.67	0.73
1	3532.5	1.25	0.57
0	2345.6	0.83	0.40
0	1186.92	0.42	0.23





Loading	Stress	Kg/cm <sup>2</sup>	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
4	2.06	19.28	0.72	19.14	0.66	19.19	0.81	0.80	
3	1.67	19.39	0.61	19.25	0.75	19.30	0.70	0.69	
2	1.25	19.50	0.50	19.38	0.62	19.43	0.57	0.56	
1	0.83	19.61	0.39	19.49	0.51	19.51	0.49	0.46	
0	0.42	19.74	0.26	19.61	0.39	19.60	0.40	0.35	

Loading Stage (2)

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
4	-0.01	19.80	0.20	19.70	0.30	19.65	0.35	0.28	
3	0.625	19.50	0.50	19.47	0.53	19.33	0.67	0.57	
2	1.25	19.35	0.65	19.36	0.64	19.16	0.84	0.71	
1	2.50	19.28	0.72	19.25	0.75	19.10	0.90	0.79	

Unloading Stage (1)

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
6	2.50	19.28	0.72	19.25	0.75	19.10	0.90	0.79	
5	2.06	19.40	0.60	19.44	0.56	19.29	0.71	0.62	
4	1.67	19.51	0.49	19.58	0.42	19.40	0.60	0.50	
3	1.25	19.64	0.36	19.69	0.31	19.53	0.47	0.38	
2	0.83	19.75	0.25	19.70	0.30	19.65	0.35	0.30	
1	0.42	19.88	0.12	19.82	0.16	19.79	0.21	0.17	
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00	

Loading Stage (1)

Nonrepertive Static Plate Load Tests of Soils  
DIN 18134

Data sheet

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg El Arab to Alamein.  
Test Date : 31/01/2023  
report date : 01/02/2023  
Location : Station 388+100 to 388+150  
Test No. : 07



Company Name  
Project  
Test Date  
Report date  
Location  
Test No.

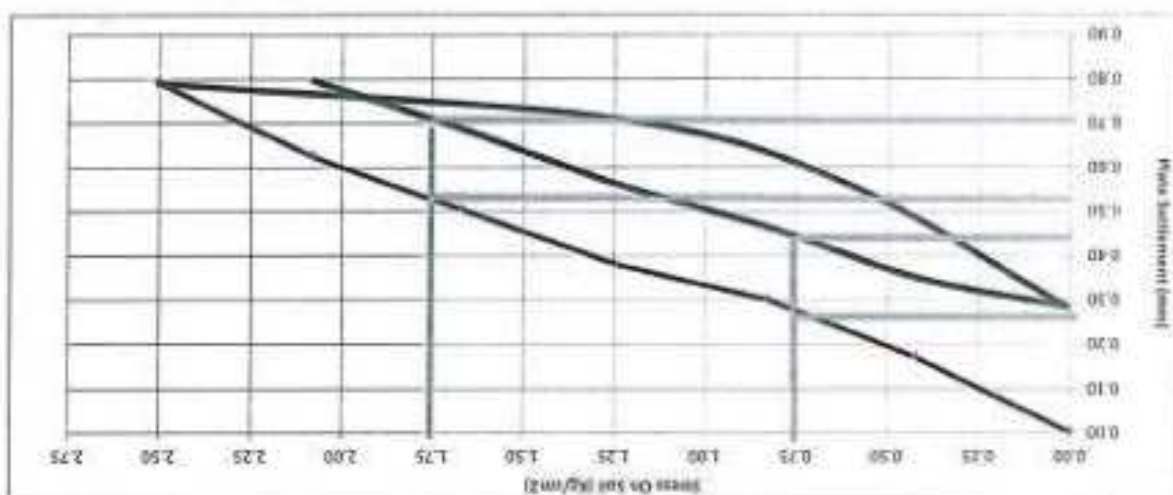
dream Way Co.  
Electric Express Train, from Borg Al Arab to Alamein.  
31/01/2023  
01/02/2023  
Station 388+100 to 388+150  
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388+100 to 388+150

# Nonrepertive Static Load Tests of Soils DIN 18134



Loading (t)	Stage(Kg)	Stress (Kg/cm2)	Settlement (mm)
0	0	0.00	0.00
1	1186.92	0.42	0.17
2	2345.6	0.83	0.30
3	3532.5	1.25	0.38
4	4719.4	1.67	0.50
5	5878.1	2.08	0.62

D (mm) =	600	51 (mm) =	52 (mm) =	653	65 =	0.26
----------	-----	-----------	-----------	-----	------	------

Loading (t)	Stage(Kg)	Stress (Kg/cm2)	Settlement (mm)
0	0	0.01	0.01
1	1186.92	0.42	0.28
2	2345.6	0.83	0.35
3	3532.5	1.25	0.46
4	4719.4	1.67	0.56
5	5878.1	2.08	0.69

D (mm) =	600	51 (mm) =	52 (mm) =	653	65 =	0.26
----------	-----	-----------	-----------	-----	------	------

E1 = modulus of deformation during the loading stage.  
E2 = modulus of deformation during the reloading stage.  
D = Plate diameter (mm)  
Ds = The difference between 0.3 and 0.7 from the maximum loading (mm)  
DS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)



E1/E2 = 1.0

Unloading (t)	Stage(Kg)	Stress (Kg/cm2)	Settlement (mm)
1	7665	2.50	0.78
2	3533	1.25	0.71
3	1768	0.625	0.67
4	0	0.01	0.26

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Company Name : dream Way Co.  
Project : Electric Express Train, from Berg Al Arab to Alamin.  
Test Date : 31/01/2023  
report date : 01/02/2023  
Location : Station 388+150 to 388+200  
Test No. : 08

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

Data sheet

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
0	0.00	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.42	0.42	19.84	0.16	19.76	0.22	19.80	0.20	0.19
2	0.83	0.83	19.70	0.30	19.63	0.37	19.66	0.34	0.34
3	1.25	1.25	18.63	0.37	19.52	0.48	19.56	0.44	0.43
4	1.67	1.67	19.51	0.49	19.40	0.60	19.45	0.55	0.55
5	2.08	2.08	19.40	0.60	19.31	0.69	19.34	0.66	0.66
6	2.50	2.50	19.28	0.72	19.12	0.88	19.15	0.85	0.82

**Unloading Stage (1)**

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
1	2.50	2.50	19.28	0.72	19.12	0.88	19.15	0.85	0.82
2	1.25	1.25	19.32	0.68	19.18	0.82	19.20	0.80	0.77
3	0.625	0.625	19.44	0.56	19.29	0.71	19.38	0.62	0.63
4	0.01	0.01	19.75	0.25	19.60	0.40	19.71	0.29	0.31

**Loading Stage (2)**

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
0	0.42	0.42	19.70	0.30	19.49	0.51	19.60	0.40	0.40
1	0.83	0.83	19.52	0.48	19.37	0.63	19.49	0.51	0.54
2	1.25	1.25	19.40	0.60	19.28	0.72	19.37	0.63	0.65
3	1.67	1.67	19.28	0.72	19.19	0.81	19.28	0.72	0.75
4	2.08	2.08	19.19	0.81	19.08	0.92	19.17	0.83	0.85



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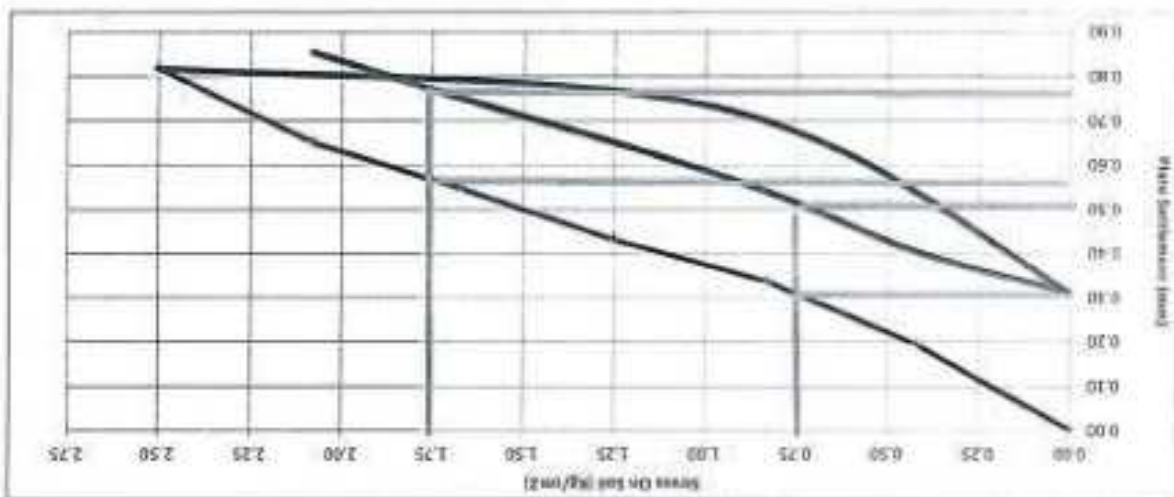


Company Name  
Project  
Test Date  
Report Date  
Location  
Test No.

: dream Way Co.  
: Electric Express Train, from Berg Al Arab to Alamein.  
: 31/01/2023  
: 01/02/2023  
: Station 388+150 to 388+200  
: 08

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**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**



Loading (t)	Stage (Kg)	Stress (kg/cm²)	Settlement (mm)
0	0	0.00	0.00
1	1186.92	0.42	0.19
2	2345.6	0.83	0.34
3	3532.5	1.25	0.43
4	4719.4	1.67	0.55
5	5878.1	2.06	0.65
6	7065	2.50	0.82

Loading (t)	Stage (Kg)	Stress (kg/cm²)	Settlement (mm)
0	0	0.01	0.01
1	1186.92	0.42	0.40
2	2345.6	0.83	0.54
3	3532.5	1.25	0.65
4	4719.4	1.67	0.75
5	5878.1	2.06	0.85

EV2/EV1 = 1.9

Unloading (t)	Stage (Kg)	Stress (kg/cm²)	Settlement (mm)
1	7665	3533	1768
2	7665	3533	1768
3	7665	3533	1768
4	7665	3533	1768

EV1 = modulus of deformation during the loading stage  
EV2 = modulus of deformation during the reloading stage  
D = Plate diameter (mm)  
DS = The difference between EV1 and EV2 from the maximum loading (mm)  
DS = Difference in settlements corresponding to EV1 and EV2 from the maximum loading (mm)





Contractor Company	Dream Way	Designer Company	SPECTRUM ENGINEER CONSULTING OFFICE								
Issued by Contractor	Name	Sign	Date/Serial Number		Time						
	Eng.SAEED MOHAMMED		12/1/2023 (55-B-DW) (P.L.T.07)		10:00 AM						
Received by GARB CONSULTANT	Eng.MAZEN ESSAMY	Sign	MR	388	EW	CS	13	1	2023	10	0

0101-1	S1 to S21 Station Reference	S1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
0101-2	Web Activity		
0101-3	Sub Element of Activity		

Description of Materials	FERMA				
Location to be Used	REV.29	388+300	TO	388+500	
	REV.35	388+483.86		388+683.86	
Supplier Name	محاجر السوي - العلمين				
Test Requirement	P.L.T (DIN 18134)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY ONECON GROUP		
Reference Photos	No/Yes	Other	55-B-DW-IR-5(48) 55-B-DW-QT(19-1)		
Item	Description	Unit	Quantity	Arrival Date	Note
1	PLATE LOAD TEST	NUMBER	4	14/1/2023	
2					
3					
4					

Comments by: Eng.MAZEN ESSAMY[spectrum]	Comments by: Eng. Alaa Abd-Allatif (ER)
 <p>1-The Plate Load Test Result P.L.T.(DIN 18134) is Approved.</p>	<p>1-P.L.T was carried out by third party lab (CEL) .</p> <p>2-Results report attached and acceptable with project specifications.</p>

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng.SAEED MOHAMMED			A
QA/QC *	Eng.MAZEN ESSAMY			A
GARB**	Eng. Margret magdy			A
Employers Representative	Eng. Alaa Abd-Allatif			A

\* Designer

\*\* Alignment/Bridges/ Culvert only



Contractor Company	DREAM WAY			Designer Company				(SPECTRUM) Engineering Consulting Office			
Issued by Contractor	Name	Sign		Date/Serial Number				Time			
	Eng. Abdelrahman Atef			11/09/2023				3:00 PM			
				PLT(SR)							
Received by GARB CONSULTANT	Eng. Mazen Essawy		MIR	C1	C2	C3	C4	MM	YY	MM	DD
				388	EW	CS	12	1	23	3	8

CODE	S1 to S21	S1 to S3	Kp XXX Note
	Station Reference	Depot Reference	For Kilometer point only Start Km is used
	Work Activity		
	Sub Element of Activity		

Location to be Used	From	388+300	TO	388+500
MAR	QT(12-2)	Date	01/07/2023	

Supplier Name	ELSEWY , Dream way			
Test Requirement	PLATE LOAD TEST ON FERMA	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (0623-43.2) VERSION 2 BY CNECDN GROUP	
Reference Photos	No/Yes	Other	UJR -S-48	

Item	Description	Unit	Quantity	Arrival Date	Note
1	PLT BY CONSULTING ENGINEERING BUREAU & LABORATORIES	NUMBER	4		
2					
3					
4					

Comments by: Eng. Mazen Essawy - (SPECTRUM)	Comments by: Eng. Alaa Abd-Allah (ERG)
 <p>1-The plate load test result by the company is approval</p>	<p>1-4 points of plt. was carried- out by (CEL) on ferma layer</p> <p>2-Results report attached and acceptable with project specifications.</p> <p>3-Final approval is subject to above mentioned comments.</p>

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Abd el rahman atef			A
QA/QC*	Eng. Mazen Essawy			A
GARB**	Eng. Mohammed Fayed			
Employers Representative	Eng. Alaa Abd-Allah			AWC

\* Designer

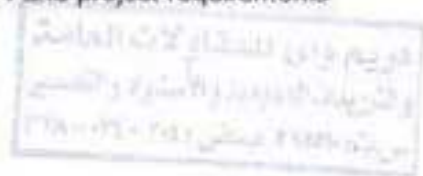
\*\* Alignment/Widening Culvert only

15/01



Company : شركة دريم واي

**Project** : Electric Express Train, Al Ain Sokhna to Marsa Matrouh Priority Sector (6)  
- Alamein to Foka  
**Subject** : Determine the deformation and strength characteristics of soil by the plate loading test according specifications DIN 18134:2012-04 and project requirements  
**Test Location:** Station 388+300 to 388+500  
**Test Date** : 12/01/2023  
**Report Date** : 14/01/2023  
**Type of Soil** : A-1-a  
**Type of soil** : Upper Embankment (Ferma).  
**Report No.** : 92:95



Dear Gentleman,

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 to measuring the settlement
4. Steel straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reactive loads to the loading plates
6. Dial indicator measuring device with scale capacity 700 Bar (Enerbac)
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 limit values are 2.5 kg/cm<sup>2</sup>
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 (2<sup>nd</sup>) 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

## Report

Type of Soil : Upper Embankment (Ferma).  
Job Requirement :  $E_{v2} > 600 \text{ Kg/cm}^2$  (60 MPa).

Item	Descriptions
- Type of bedding material below the plate	Natural Soil
- Weather condition	Partly Sunny
- Plate Diameter (mm)	600
- date of measurement	12/01/2023
- Unusual observation made during test	NO
- Description of the soil conditions below the plate after testing	No deformation

## Evaluation and representation of results

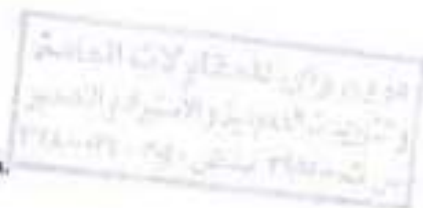
Test No.	Station		First Cycle	Second Cycle	$E_{v2}/E_{v1}$ Ratio
	From	To	$E_{v1} \text{ (kg/cm}^2\text{)}$	$E_{v2} \text{ (kg/cm}^2\text{)}$	
1	388+300	388+350	1324	2250	1.7
2	388+350	388+400	1286	2250	1.8
3	388+400	388+450	1324	2143	1.6
4	388+450	388+500	1125	2045	1.8

Signature /





Company Name : dream Way Co.  
Project : Electric Express Train, from Berg Al Arab to Alamein.  
Test Date : 12/01/2023  
report date : 14/01/2023  
Location : Station 388+300 to 388+350  
Test No. : 1



**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

Data sheet

**Loading Stage (1)**

Loading	Stress Kg/cm2	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	19.80	0.20	19.75	0.25	19.84	0.16	0.20
2	0.83	19.66	0.34	19.62	0.38	19.73	0.27	0.33
3	1.25	19.50	0.50	19.48	0.52	19.60	0.40	0.47
4	1.67	19.35	0.65	19.31	0.69	19.46	0.54	0.63
5	2.08	19.24	0.76	19.18	0.82	19.32	0.68	0.75
6	2.50	19.12	0.88	19.06	0.94	19.20	0.80	0.87

**Unloading Stage (1)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.12	0.88	19.06	0.94	19.20	0.80	0.87
2	1.25	19.15	0.85	19.11	0.89	19.24	0.76	0.83
3	0.625	19.19	0.81	19.16	0.84	19.29	0.71	0.79
4	0.01	19.52	0.48	19.38	0.62	19.62	0.38	0.49

**Loading Stage (2)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.46	0.54	19.31	0.69	19.52	0.48	0.57
1	0.83	19.38	0.62	19.25	0.75	19.44	0.56	0.64
2	1.25	19.30	0.70	19.19	0.81	19.35	0.65	0.72
3	1.67	19.22	0.78	19.12	0.88	19.26	0.74	0.80
4	2.08	19.13	0.87	19.04	0.96	19.18	0.82	0.88
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature



3 El Malek El Afdal Street  
Zamalek, Cairo.  
Tel. & Fax : 27367231 - 27363093



٣ ش الملك الأفضل  
الزمالك - القاهرة  
تليفون : ٢٧٣٦٧٢٣١ - ٢٧٣٦٣٠٩٣  
www.cel-egypt.com



Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 12/01/2023  
report date : 14/01/2023  
Location : Station 388+300 to 388+350  
Test No. : 1

## Nonrepetitive Static Plate Load Tests of Soils



Loading (t)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm2)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.20	0.33	0.47	0.63	0.75	0.87

UnLoading (t)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm2)	2.50	1.25	0.625	0.01
Settlement (mm)	0.87	0.63	0.79	0.49

D (mm) = 500	St (mm) = 9.30	S2 (mm) = 8.64	ΔS = 0.34
Ev1 (kg/cm2) = (0.75 * D * ΔS) / ΔS		1324	

Loading (Z)	0	1	2	3	4	5
Stage(Kg)	0	1186.02	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm2)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.49	0.57	0.64	0.72	0.80	0.88

D (mm) =	600	S1 (mm) =	0.62	S2 (mm) =	0.82	ΔS =	0.20
Ev2 (kg/cm2) =	(0.75'D*Δσ)/ΔS		2250				

$$E_{v2}/E_{v1} = 1.7$$

$E_{v1}$  = Modulus of deformation during the loading stage.

$E_{v2}$  = Modulus of deformation during the Reloading stage.

$D$  = Plate diameter (mm)

 $\Delta s$  = The difference between 0.3 and 0.7 from the maximum loading ( $s_{max}$ ) (kg/cm<sup>2</sup>)

DS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)

Signature: \_\_\_\_\_





دريم واى القمار لايت الماسية  
الترابطة بين القمار والاسكندرية  
مات ٢٠٢٣ - ٢٠٢٤ - ٢٠٢٥

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 12/01/2023  
report date : 14/01/2023  
Location : Station 388+350 to 388+400  
Test No. : 2

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

**Data sheet**

**Loading Stage (1)**

Loading	Stress Kg/cm2	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	19.83	0.17	19.78	0.22	19.81	0.19	0.19
2	0.83	19.70	0.30	19.63	0.37	19.70	0.30	0.32
3	1.25	19.54	0.46	19.50	0.50	19.52	0.48	0.48
4	1.67	19.37	0.63	19.41	0.59	19.35	0.65	0.62
5	2.08	19.25	0.75	19.28	0.72	19.20	0.80	0.76
6	2.50	19.14	0.86	19.18	0.82	19.07	0.93	0.87

**Unloading Stage (1)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.14	0.86	19.18	0.82	19.07	0.93	0.87
2	1.25	19.17	0.83	19.22	0.78	19.11	0.89	0.83
3	0.625	19.21	0.79	19.26	0.74	19.15	0.85	0.79
4	0.01	19.54	0.46	19.58	0.42	19.42	0.58	0.49

**Loading Stage (2)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.46	0.54	19.50	0.50	19.34	0.66	0.57
1	0.83	19.40	0.60	19.41	0.59	19.22	0.78	0.66
2	1.25	19.34	0.66	19.32	0.68	19.14	0.86	0.73
3	1.67	19.23	0.77	19.23	0.77	19.03	0.97	0.84
4	2.08	19.12	0.88	19.10	0.90	19.00	1.00	0.93
5	0.00	19.56	0.00	0.00	0.00	0.00	0.00	#REF!

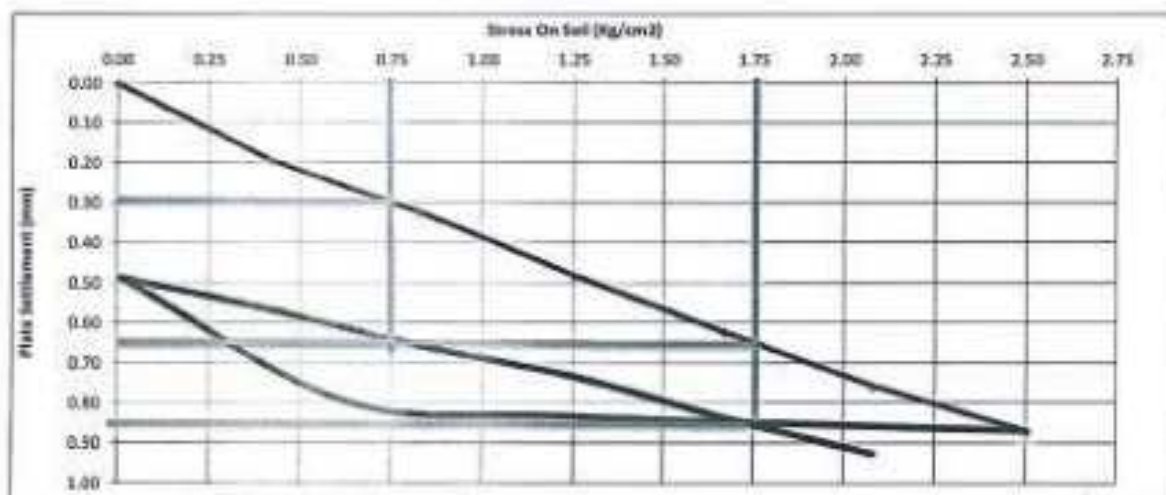
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Signature: .....  
أ.م.ع. السيد السيد  
219 - 991 - 537  
3 شارع الملك فيصل - القاهرة





Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 12/01/2023  
report date : 14/01/2023  
Location : Station 388+350 to 388+400  
Test No. : 2

# Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (t)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.0	3532.5	4719.4	5878.1	7065
Stress (Kg/cm <sup>2</sup> )	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.19	0.32	0.48	0.62	0.76	0.87

UnLoading (t)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm2)	2.50	1.25	0.625	0.01
Settlement (mm)	0.87	0.83	0.79	0.49

D (mm) = 500	S1 (mm) = 8.30	S2 (mm) = 8.65	$\Delta S = 0.35$
Ev1 (kg/cm <sup>2</sup> ) = $(0.75 \cdot D^2 \cdot \Delta s) / \Delta S$		1266	

Loading (Z)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm2)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.49	0.57	0.66	0.73	0.84	0.93

D (mm) =	600	S1 (mm) =	0.05	S2 (mm) =	0.05	ΔS =	0.20
Ev2 (kg/cm2) =	0.75*Q*ΔS/ΔS		2250				

$$E_{v2}/E_{v1} = 1.8$$

Ev1 = Modulus of deformation during the loading stage.

 $E_{v2}$  = Modulus of deformation during the Reloading stage $\phi$  = Plate diameter (mm)

$\Delta\sigma$  = The difference between 0.1 and 0.7 from the maximum loading ( $\sigma_{max}$ ) ( $\text{kg}/\text{cm}^2$ )

DS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)

**Signature**







Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 12/01/2023  
report date : 14/01/2023  
Location : Station 388+400 to 388+450  
Test No. : 3

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

**Data sheet**

**Loading Stage (1)**

Loading	Stress Kg/cm2	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	19.92	0.08	19.80	0.20	19.73	0.27	0.18
2	0.83	19.82	0.18	19.68	0.32	19.56	0.44	0.31
3	1.25	19.70	0.30	19.53	0.47	19.42	0.58	0.45
4	1.67	19.53	0.47	19.40	0.60	19.30	0.70	0.59
5	2.08	19.36	0.64	19.27	0.73	19.17	0.83	0.73
6	2.50	19.23	0.77	19.16	0.84	19.05	0.95	0.85

**Unloading Stage (1)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.23	0.77	19.16	0.84	19.05	0.95	0.85
2	1.25	19.26	0.74	19.19	0.81	19.09	0.91	0.82
3	0.625	19.32	0.68	19.24	0.76	19.13	0.87	0.77
4	0.01	19.63	0.37	19.50	0.50	19.39	0.61	0.49

**Loading Stage (2)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.54	0.40	19.42	0.58	19.30	0.70	0.58
1	0.83	19.42	0.58	19.33	0.67	19.23	0.77	0.67
2	1.25	19.33	0.67	19.26	0.74	19.14	0.86	0.76
3	1.67	19.25	0.75	19.18	0.82	19.06	0.94	0.84
4	2.08	19.17	0.83	19.10	0.90	18.98	1.02	0.92
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature

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الاختبارات المعملية  
بم تقسيم القوس  
219 - 991 - 537  
القاهرة - مصر







Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 12/01/2023  
report date : 14/01/2023  
Location : Station 388+450 to 388+500  
Test No. : 4

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

**Data sheet**

**Loading Stage (1)**

Loading	Stress Kg/cm <sup>2</sup>	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	19.73	0.27	19.83	0.17	19.76	0.24	0.23
2	0.83	19.60	0.40	19.71	0.29	19.52	0.48	0.39
3	1.25	19.46	0.54	19.54	0.46	19.30	0.70	0.57
4	1.67	19.31	0.69	19.34	0.66	19.18	0.82	0.72
5	2.08	19.17	0.83	19.22	0.78	19.08	0.92	0.84
6	2.50	19.06	0.94	19.10	0.90	18.95	1.05	0.96

**Unloading Stage (1)**

Loading	Stress Kg/cm <sup>2</sup>	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.06	0.94	19.10	0.90	18.95	1.05	0.96
2	1.25	19.10	0.90	19.15	0.85	18.98	1.02	0.92
3	0.825	19.14	0.86	19.21	0.79	19.04	0.96	0.87
4	0.01	19.38	0.62	19.47	0.53	19.34	0.66	0.60

**Loading Stage (2)**

Loading	Stress Kg/cm <sup>2</sup>	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.31	0.69	19.40	0.60	19.28	0.72	0.67
1	0.83	19.23	0.77	19.32	0.68	19.21	0.79	0.75
2	1.25	19.14	0.86	19.23	0.77	19.10	0.90	0.84
3	1.67	19.08	0.92	19.12	0.88	19.01	0.99	0.93
4	2.08	19.00	1.00	19.03	0.97	18.93	1.07	1.01
5	0.00	19.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature:   
مكتب معامل الاستشارات الهندسية  
الاستشاري المهندس  
219-991 - 537  
القاهرة - مصر





Company Name : dream Way Co.  
 Project : Electric Express Train, from Borg Al Arab to Alemin.  
 Test Date : 12/01/2023  
 report date : 14/01/2023  
 Location : Station 388+450 to 388+500  
 Test No. : 4

تم إجراء الاختبار طبقاً للمواصفة  
 DIN 18134  
 من قبل مكتب معامل الاستشارات الهندسية

#### Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (t)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm²)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.23	0.39	0.57	0.72	0.84	0.96

UnLoading (t)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm²)	2.50	1.25	0.625	0.01
Settlement (mm)	0.96	0.92	0.87	0.60

D (mm) =	600	S1 (mm) =	0.35	S2 (mm) =	0.75	ΔS =	0.40
Ev1 (kg/cm²) =	$(0.75 \cdot D \cdot \Delta s) / \Delta S$						1125

Loading (2)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm²)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.60	0.67	0.75	0.84	0.93	1.01

Ev2/Ev1 = 1.8

D (mm) =	600	S1 (mm) =	0.72	S2 (mm) =	0.94	ΔS =	0.22
Ev2 (kg/cm²) =	$(0.75 \cdot D \cdot \Delta s) / \Delta S$						2045

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 Signature:   
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Ev1 = Modulus of deformation during the loading stage.  
 Ev2 = Modulus of deformation during the Reloading stage.  
 D = Plate diameter (mm)  
 Δs = The difference between 0.3 and 0.7 from the maximum loading (smax) (kg/cm²)  
 ΔS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)





Contractor Company	Dream Way	Designer Company	SPECTRUM ENGINEER CONSULTING OFFICE								
Issued by Contractor	Name Eng. SAEED MOHAMMED	Date/Serial Number 13/12/2022 (55-B-DW) (P.L.T.04)	Time 10:00 AM								
Received by GARS CONSULTANT	Eng. MAZEN ESSAMY	MIR	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>388</td> <td>EW</td> <td>CS</td> <td>14</td> <td>12</td> <td>2022</td> <td>10</td> <td>0</td> </tr> </table>	388	EW	CS	14	12	2022	10	0
388	EW	CS	14	12	2022	10	0				

CODE :	S1 to S21	D1 to S8	Kp XXX Note
LINK :	Station Reference	Depot Reference	For Kilometer point only Start Km is used
LINK :	Work Activity		
LINK :	Sub Element of Activity		

Description of Materials	FERMA				
Location to be Used	REV.29	388+500	TO	388+700	
	REV.35	388+683.86		388+883.86	
Supplier Name	محاجر السوي - العين				
Test Requirement	P.L.T (DIN 18134)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY ONECON GROUP		
Reference Photos	No/Yes	Other	55-B-DW-IR-S(41,42) QT(18-1)		
Item	Description	Unit	Quantity	Arrival Date	Note
1	PLATE LOAD TEST	NUMBER	4	15/12/2022	
2					
3					
4					
Comments by: Eng. MAZEN ESSAMY (spectrum)		Comments by: Eng. Alaa Abd-Allah (ER)			
1-The Plate Load Test Result p.L.T. (DIN 18134) is Approved.		1-P.L.T was carried- out by third party lab (CEL) .  2-Results report attached and acceptable with project specifications.			

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. SAEED MOHAMMED			A
QA/QC *	Eng. MAZEN ESSAMY			
GARS**	Eng. Margot magdy			
Employer's Representative	Eng. Alaa Abd-Allah			A

\* Designer  
\*\* Alignment/Bridges: Civil only







Company : شركة دريم واى

**Project** : Electric Express Train, Al Ain Sokhna to Marsa Matrouh Priority Sector (6)  
- Alamein to Foka  
**Subject** : Determine the deformation and strength characteristics of soil by the plate loading test according specifications DIN 18134:2012-04 and project requirements  
**Test Location**: Station 388+500 to 388+700.  
**Test Date** : 15/12/2022  
**Report Date** : 15/12/2022  
**Type of Soil** : A-1-a  
**Type of soil** : Upper Embankment (Ferma).  
**Report No.** : 63:66



Dear Gentleman,

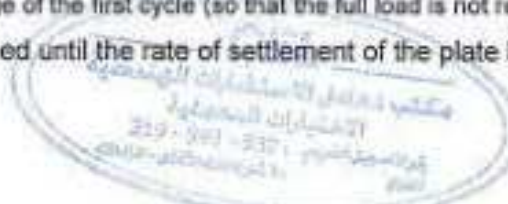
According to the above mentioned subject the test performed as follows:-

### 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 to measuring the settlement
4. Steel straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reactive loads to the loading plates
6. Dial indicator measuring device with scale capacity 700 Bar (Enerbac)
7. Reaction loading system by roller compactor with weight approximately 9.5 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 limit values are 2.5 kg/cm<sup>2</sup>
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 (2<sup>nd</sup>) 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

رئيس رابطة المختبرات الهندسية  
تأهيلات المهنية والاستشارات الهندسية  
رئيسة جامعة القاهرة - ٢٠١٩ - ٢٠٢٠

## Report

- Type of Soil : Upper Embankment (Ferma).**  
**Job Requirement :  $E_v > 600 \text{ Kg/cm}^2$  (60 MPa).**

Item	Descriptions
- Type of bedding material below the plate	Natural Soil
- Weather condition	Sunny
- Plate Diameter (mm)	600
- date of measurement	15/12/2022
- 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	$E_{v2} / E_{v1}$ Ratio
	From	To	$E_{v1} (\text{kg/cm}^2)$	$E_{v2} (\text{kg/cm}^2)$	
1	388+500	388+550	1000	1731	1.7
2	388+550	388+600	1098	2143	2.0
3	388+600	388+650	1071	2250	2.1
4	388+650	388+700	652	1957	3.0

Signature /

مكتب معامل الاستشارات الهندسية  
229-094/017  
القاهرة - ٢٠٢٢





مركز وادي النيل للتقنية والهندسة  
مكتب الاستشارات الهندسية  
مبنى ٢٠٠٠ - ٢٠٠١ - ٢٠٠٢

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 15/12/2022  
report date : 15/12/2022  
Location : Station 388+500 to 388+550  
Test No. : 01

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

**Data sheet**

**Loading Stage (1)**

Loading	Stress Kg/cm2	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	19.88	0.12	19.83	0.17	19.84	0.16	0.15
2	0.83	19.77	0.23	19.67	0.33	19.70	0.30	0.29
3	1.25	19.65	0.35	19.48	0.52	19.48	0.52	0.46
4	1.67	19.42	0.58	19.32	0.68	19.27	0.73	0.66
5	2.08	19.20	0.80	19.17	0.83	19.08	0.92	0.85
6	2.50	18.96	1.04	19.00	1.00	18.86	1.14	1.06

**Unloading Stage (1)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	18.96	1.04	19.00	1.00	18.86	1.14	1.06
2	1.25	18.99	1.01	19.07	0.93	18.99	1.01	0.98
3	0.625	19.20	0.80	19.23	0.77	19.19	0.81	0.79
4	0.01	19.50	0.50	19.52	0.48	19.51	0.49	0.49

**Loading Stage (2)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.46	0.54	19.46	0.54	19.41	0.59	0.56
1	0.83	19.35	0.65	19.31	0.69	19.26	0.74	0.69
2	1.25	19.24	0.76	19.18	0.82	19.14	0.86	0.81
3	1.67	19.14	0.86	19.09	0.91	19.01	0.99	0.92
4	2.08	19.04	0.96	19.00	1.00	18.90	1.10	1.02
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature

مكتب الاستشارات الهندسية  
مبنى ٢٠٠٠ - ٢٠٠١ - ٢٠٠٢

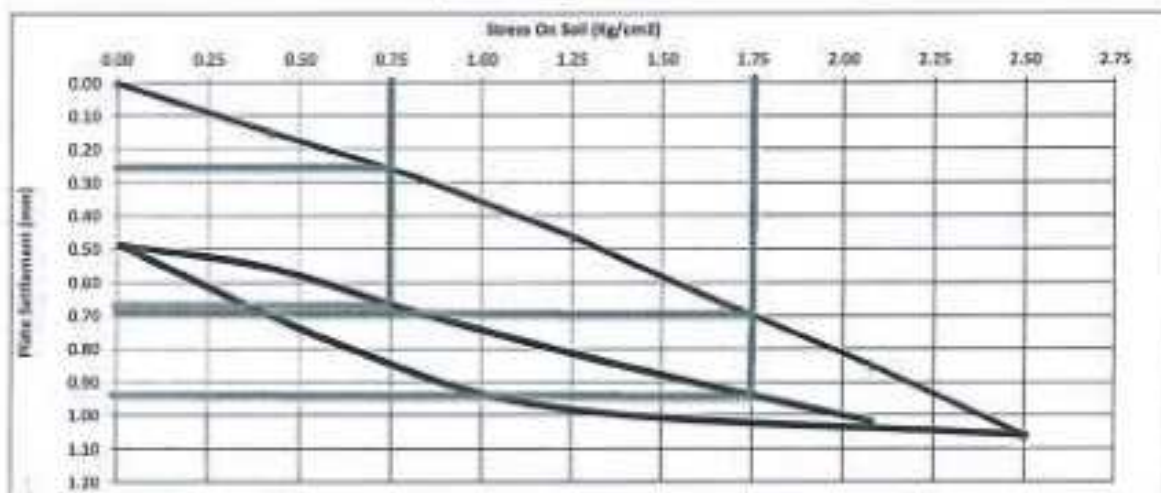




Company Name : dream Way Co.  
 Project : Electric Express Train, from Borg Al Arab to Alamein.  
 Test Date : 15/12/2022  
 report date : 15/12/2022  
 Location : Station 388+500 to 388+550  
 Test No. : 01

مركز معمل الإستشارات الهندسية  
 ٢٧٣٦٣٠٩٣ - ٢٧٣٦٣٢٣١  
 ٢٧٣٦٣٠٩٣ - ٢٧٣٦٣٢٣١

#### Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (1)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm²)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.15	0.29	0.46	0.60	0.85	1.00

UnLoading (1)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm²)	2.50	1.25	0.625	0.01
Settlement (mm)	1.00	0.68	0.79	0.49

D (mm) = 600	S1 (mm) = 0.25	S2(mm) = 0.79	ΔS = 0.45
v1 (kg/cm²) = (0.75*D*Δs)/ΔS	1000		

Loading (2)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm²)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.49	0.58	0.69	0.81	0.92	1.02

Ev2/Ev1 = 1.7

D (mm) = 600	S1 (mm) = 0.68	S2(mm) = 0.94	ΔS = 0.26
Ev2 (kg/cm²) = (0.75*D*Δs)/ΔS	1731		

Ev1 = Modulus of deformation during the loading stage.  
 Ev2 = Modulus of deformation during the Reloading stage.  
 D = Plate diameter (mm)  
 Δs = The difference between 0.3 and 0.7 from the maximum loading (amax) (kg/cm²)  
 OS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)

Signature 1







Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 15/12/2022  
report date : 15/12/2022  
Location : Station 388+550 to 388+600  
Test No. : 02

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

Data sheet

**Loading Stage (1)**

Loading	Stress Kg/cm2	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	19.89	0.11	19.85	0.15	19.85	0.15	0.14
2	0.83	19.79	0.21	19.64	0.36	19.71	0.29	0.29
3	1.25	19.64	0.36	19.40	0.60	19.53	0.47	0.48
4	1.67	19.51	0.49	19.21	0.79	19.36	0.64	0.64
5	2.08	19.39	0.61	19.04	0.96	19.21	0.79	0.79
6	2.50	19.24	0.76	18.87	1.13	19.05	0.95	0.95

**Unloading Stage (1)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.24	0.76	18.87	1.13	19.05	0.95	0.95
2	1.25	19.29	0.71	18.94	1.06	19.12	0.88	0.88
3	0.825	19.41	0.59	19.09	0.91	19.32	0.68	0.73
4	0.01	19.64	0.36	19.37	0.63	19.60	0.40	0.46

**Loading Stage (2)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.58	0.42	19.30	0.70	19.52	0.48	0.53
1	0.83	19.49	0.51	19.19	0.81	19.42	0.58	0.63
2	1.25	19.41	0.59	19.08	0.92	19.30	0.70	0.74
3	1.67	19.35	0.65	19.00	1.00	19.19	0.81	0.82
4	2.08	19.28	0.72	18.91	1.09	19.10	0.90	0.90
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature

مكتب معامل الاستشارات الهندسية  
219-2011-8871  
2014-2015

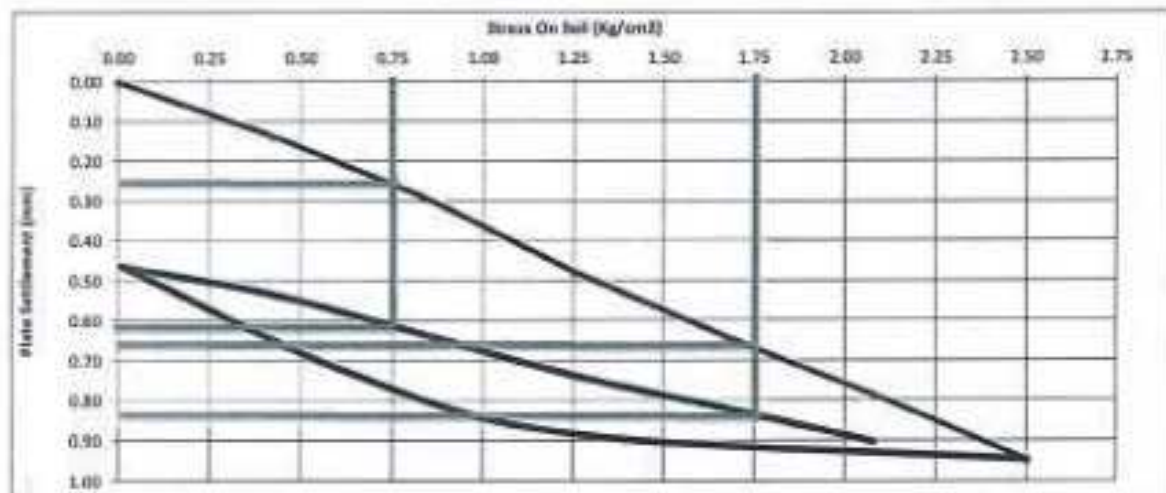




Company Name : dream Way Co.  
 Project : Electric Express Train, from Borg Al Arab to Almain.  
 Test Date : 15/12/2022  
 report date : 15/12/2022  
 Location : Station 388+550 to 388+600  
 Test No. : 02

موقع وادي لسان لسان لسان  
 وادي لسان لسان لسان  
 ٢٣٨٠٠٠ - ٢٣٨٠٠٠ - ٢٣٨٠٠٠

#### Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (1)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm2)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.14	0.29	0.48	0.64	0.79	0.95

UnLoading (1)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm2)	2.50	1.25	0.625	0.01
Settlement (mm)	0.95	0.88	0.73	0.48

D (mm) = 600	S1 (mm) = 0.25	S2 (mm) = 0.65	ΔS = 0.41
v1 (kg/cm2) = (0.75*D*Δs)/ΔS	1698		

Loading (2)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm2)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.46	0.53	0.63	0.74	0.82	0.90

Ev2/Ev1 = 2.0

D (mm) = 600	S1 (mm) = 0.62	S2 (mm) = 0.83	ΔS = 0.21
Ev2 (kg/cm2) = (0.75*D*Δs)/ΔS	2143		

Ev1 = Modulus of deformation during the loading stage.  
 Ev2 = Modulus of deformation during the Reloading stage.  
 D = Plate diameter (mm)  
 Δs = The difference between 0.3 and 0.7 from the maximum loading (amax) (Kg/cm2)  
 ΔS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)





دروم واي للبناء، آلات البناء  
والترابطة والاسفلت والخرسانة  
بوت ٢٠٢٢، ٢٠٢١، ٢٠٢٠ - ٢٠١٩

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 15/12/2022  
report date : 15/12/2022  
Location : Station 388+600 to 388+650  
Test No. : 03

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

**Data sheet**

**Loading Stage (1)**

Loading	Stress Kg/cm2	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	19.91	0.09	19.80	0.20	19.90	0.10	0.13
2	0.83	19.82	0.18	19.58	0.42	19.74	0.26	0.29
3	1.25	19.72	0.28	19.42	0.58	19.58	0.42	0.43
4	1.67	19.50	0.50	19.20	0.80	19.40	0.60	0.63
5	2.08	19.31	0.69	19.05	0.95	19.23	0.77	0.80
6	2.50	19.11	0.89	18.85	1.15	19.00	1.00	1.01

**Unloading Stage (1)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.11	0.89	18.85	1.15	19.00	1.00	1.01
2	1.25	19.17	0.83	18.88	1.12	19.10	0.90	0.95
3	0.625	19.32	0.68	19.05	0.95	19.27	0.73	0.79
4	0.01	19.54	0.46	19.35	0.65	19.52	0.48	0.53

**Loading Stage (2)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.52	0.48	19.30	0.70	19.45	0.55	0.58
1	0.83	19.44	0.56	19.16	0.84	19.34	0.66	0.69
2	1.25	19.36	0.64	19.04	0.96	19.24	0.76	0.79
3	1.67	19.28	0.72	18.96	1.04	19.15	0.85	0.87
4	2.08	19.21	0.79	18.85	1.15	19.05	0.93	0.96
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature

مكتب معامل الإستشارات الهندسية  
الاحاديث  
إلى: ٢٧٣٦٧٢٣١ - ٢٧٣٦٧٢٣١  
٢٧٣٦٧٢٣١

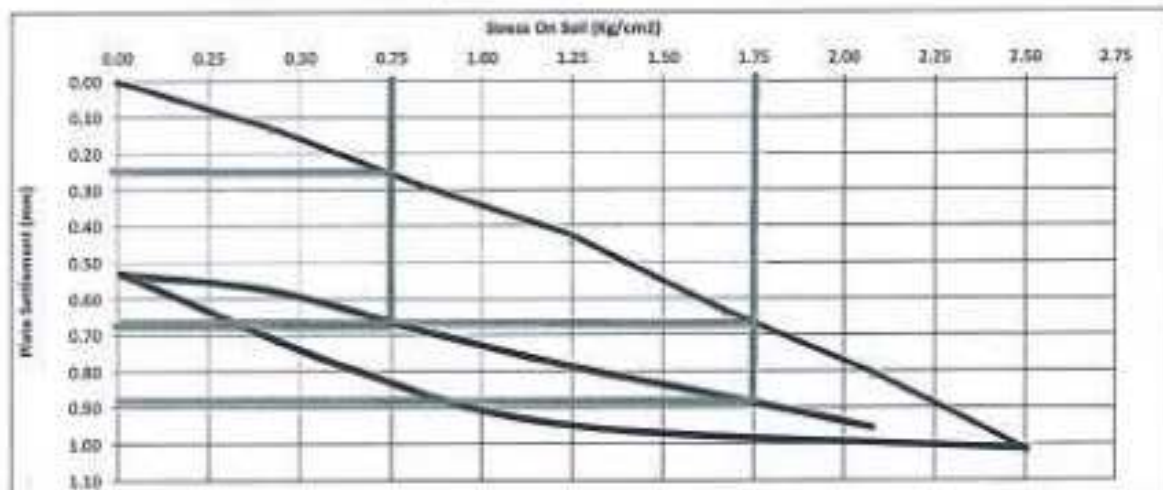




Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 15/12/2022  
report date : 15/12/2022  
Location : Station 388+600 to 388+650  
Test No. : 83

مركز معمل الإستشارات الهندسية  
مكتب معمل الإستشارات الهندسية  
مكتب معمل الإستشارات الهندسية  
مكتب معمل الإستشارات الهندسية

## Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (t)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm2)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.13	0.29	0.43	0.63	0.80	1.01

UnLoading (t)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm2)	2.50	1.25	0.625	0.01
Settlement (mm)	1.01	0.95	0.79	0.53

D (mm) =	600	S1 (mm)=	0.25	S2(mm)=	0.67	ΔS =	0.42
v1 (kg/cm2) = (0.75*D*Δs)/ΔS							1071

Loading (t)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm2)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.53	0.68	0.69	0.79	0.87	0.95

Ev2/Ev1 = 2.1

D (mm) =	600	S1 (mm)=	0.68	S2(mm)=	0.88	ΔS =	0.20
Ev2 (kg/cm2) = (0.75*D*Δs)/ΔS							2250

Signature : 

Ev1 = Modulus of deformation during the loading stage.  
Ev2 = Modulus of deformation during the Reloading stage.  
D = Plate diameter (mm)  
Ds = The difference between 0.3 and 0.7 from the maximum loading (smax) (kg/cm<sup>2</sup>)  
ΔS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)



د. محمد وائل محمد علي  
مهندس استشاري  
مكتب معامل الإستشارات الهندسية  
388+650 - 388+700

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 15/12/2022  
report date : 15/12/2022  
Location : Station 388+650 to 388+700  
Test No. : 04

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

**Data sheet**

**Loading Stage (1)**

Loading	Stress Kg/cm2	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	19.82	0.18	19.81	0.19	19.84	0.16	0.18
2	0.83	19.74	0.26	19.65	0.35	19.66	0.34	0.32
3	1.25	19.53	0.47	19.30	0.70	19.20	0.80	0.66
4	1.67	19.25	0.75	19.00	1.00	18.93	1.07	0.94
5	2.08	19.09	0.91	18.83	1.17	18.74	1.26	1.11
6	2.50	18.95	1.05	18.67	1.33	18.58	1.42	1.27

**Unloading Stage (1)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	18.95	1.05	18.67	1.33	18.58	1.42	1.27
2	1.25	19.02	0.98	18.76	1.24	18.63	1.37	1.20
3	0.625	19.18	0.82	18.91	1.09	18.77	1.23	1.05
4	0.01	19.62	0.38	19.28	0.72	19.08	0.92	0.67

**Loading Stage (2)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.40	0.60	19.10	0.90	18.95	1.05	0.85
1	0.83	19.25	0.75	18.95	1.05	18.81	1.19	1.00
2	1.25	19.15	0.85	18.85	1.15	18.70	1.30	1.10
3	1.67	19.08	0.92	18.77	1.23	18.63	1.37	1.17
4	2.08	19.00	1.00	18.70	1.30	18.55	1.45	1.25
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature

مكتب معامل الإستشارات الهندسية  
388+650 - 388+700  
388+650 - 388+700





Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 15/12/2022  
report date : 15/12/2022  
Location : Station 388+650 to 388+700  
Test No. : 04

مكتب معامل الاستشارات الهندسية  
238-304-437  
T18-437-304

## Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (t)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm2)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.18	0.32	0.60	0.94	1.11	1.27

UnLoading (t)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm2)	2.50	1.25	0.625	0.01
Settlement (mm)	1.27	1.20	1.05	0.67

D (mm) = 600	S1 (mm) = 0.28	S2 (mm) = 0.97	ΔS = 0.69
v1 (kg/cm2) = (0.75 * D * Δσ) / ΔS			632

Loading (2)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm2)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.67	0.85	1.00	1.10	1.17	1.25

Ev2/Ev1 = 1.0

D (mm) = 600	S1 (mm) = 0.97	S2 (mm) = 1.20	ΔS = 0.23
Ev2 (kg/cm2) = (0.75 * D * Δσ) / ΔS			1957

Ev1 = Modulus of deformation during the loading stage.

Ev2 = Modulus of deformation during the Reloading stage.

D = Plate diameter (mm)

Δσ = The difference between 0.3 and 0.7 from the maximum loading (σmax) (kg/cm<sup>2</sup>)

ΔS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)





[illegible]



RECEIPT OF NOTIFICATION-Minimum Notice Period not less than 24 Hours									
The work described below will be complete and ready for inspection at planned time shown									
Contractor Company		Dream way Company		Designer Company		SPECTRUM Engineering Consulting Office		Issued by Contractor	
Name		Eng. Abdelrahman atef		Name		Eng. Mazen Essamny		Received by GARB	
Signature		[Signature]		Signature		[Signature]		[Signature]	
Date/Serial Number		30/01/2023		Date/Serial Number		30/01/2023		Time	
Time		3:00 PM		Time		3:00 PM		Time	
STATION REFERENCE		D1 to D3 Depot Reference		STATION REFERENCE		D1 to D3 Depot Reference		STATION REFERENCE	
Work Activity		Sub Element of Activity		Work Activity		Sub Element of Activity		Work Activity	
Description of material		Fill layer at former level		Description of material		Fill layer at former level		Description of material	
Location to be used		From		Location to be used		From		Location to be used	
MARABUS APPROVAL NO		LIR-S-14		MARABUS APPROVAL NO		LIR-S-14		MARABUS APPROVAL NO	
SUPPLIER NAME		EL SEWY Dream way		SUPPLIER NAME		EL SEWY Dream way		SUPPLIER NAME	
Test Requirement		F.D.TASTM D 1556		Test Requirement		F.D.TASTM D 1556		Test Requirement	
Reference photos		No/Yes		Reference photos		No/Yes		Reference photos	
Unit		NUMBER		Unit		NUMBER		Unit	
Quantity		4		Quantity		4		Quantity	
Arrival Date		29/12/2022		Arrival Date		29/12/2022		Arrival Date	
Note		388+200		Note		388+200		Note	
Comments by: Eng. Mazen Essamny (SPECTRUM)		[Signature]		Comments by: Eng. Mazen Essamny (SPECTRUM)		[Signature]		Comments by: Eng. Mazen Essamny (SPECTRUM)	
1-F.D.T was carried-out by third party lab (combust)		2-Result report attached and acceptable with project specifications.		1-F.D.T was carried-out by third party lab (combust)		2-Result report attached and acceptable with project specifications.		1-F.D.T was carried-out by third party lab (combust)	
3-Final approval is subject to above mentioned comments.		[Signature]		3-Final approval is subject to above mentioned comments.		[Signature]		3-Final approval is subject to above mentioned comments.	
APPROVAL STATUS		A-A-WC-R		APPROVAL STATUS		A-A-WC-R		APPROVAL STATUS	
Organisation		Name		Organisation		Name		Organisation	
Contractor		Eng. Abdelrahman atef		Contractor		Eng. Abdelrahman atef		Contractor	
QA/QC		Eng. Mazen Essamny		QA/QC		Eng. Mazen Essamny		QA/QC	
GARB		Eng. Mohamed Fayed		GARB		Eng. Mohamed Fayed		GARB	
Employers Representative		Eng. Alaa Abd-Alattif		Employers Representative		Eng. Alaa Abd-Alattif		Employers Representative	
Designer		[Signature]		Designer		[Signature]		Designer	
File Name: MS-F-1023		22/02		File Name: MS-F-1023		22/02		File Name: MS-F-1023	







# COMIBASSAL International Controllers

(الجمعية الدولية للتحكم في الجودة والبيئة والسلامة - ISO 9001:2015)

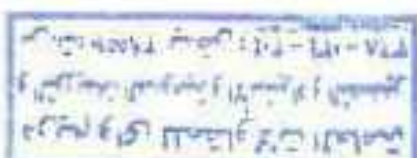
ISO 9001:2015 معتمد على إدارة الجودة

Accredited by:

Egyptian General Authority for Petroleum  
Under No: 34/29.11.2011

مركز الأبحاث والدراسات والبحوث  
البيئية والصحية والسلامة

قطاع البترول والغاز الطبيعي



Report NO.: 447/center  
Date: 22/2/2023

## Field Det. Of Density Of Soil In Place Report

ASTM - D 1556

SYSTRA

SPECTRUM

مركز الأبحاث والدراسات والبحوث

Electric express train

Ferna

1 - 2 - 2023

General consultant

Consultant

Contractor

Project

Sample

Date of test

Results:

Points NO.	Description	Soil wt. (gm)	Water filling the cone and the hole (gm)	Wt. of wet sample (gm)	Wt. of sand filling hole (gm)	Wt. of sand filling cone (gm)	Density of standard sand (Ys) (g/cm <sup>3</sup> )	Volume of hole (cm <sup>3</sup> )	Wt. of wet sample (gm)	Wt. of sample after drying (gm)	Wet Density (Ywet) (g/cm <sup>3</sup> )	Moisture ratio (%)	Dry Density (Ydry) (g/cm <sup>3</sup> )	Compaction Ratio (%)
1	SI (388 + 050)	18350	7410	2320	1540	1400	1.44	1059.44	1111.11	1160	1125.0	2.10	2.07	95
2	SI (388 + 100)	7190	4390	2370	1600	1400	1.44	1160	1160	108	108.2	2.10	2.07	95
3	SI (388 + 150)	8320	5250	2450	1670	1400	1.44	1160	1160	108	108.2	2.10	2.07	95
4	SI (388 + 200)	10205	7180	2470	1620	1400	1.44	1160	1160	108	108.2	2.10	2.07	95



Civil Eng Department

Eng: Eman E. Kandil





MATERIAL INSPECTION REQUEST		DREAM WAY		الهيئة العامة للغذاء والدواء SAGRA		الهيئة العامة للغذاء والدواء SAGRA		الهيئة العامة للغذاء والدواء SAGRA		الهيئة العامة للغذاء والدواء SAGRA	
Contractor Company	Dream Way Company			Designer Company			SPECTRUM Consulting Office				
Issued by Contractor	Name	Eng. Elsayed Mohamed	Date/Signature	08/11/2023							
	Time	3:00 AM									
Received by SAGRA CONSULTANT	Eng. Mazen Esawy	JAB			FW	CS	08	1	2023	10	0
ST to SD	Station Reference			D1 to S4			By SD Note				
	Station Reference			D1 to S4			For Kilometer point only Start Not is used				
	Work Activity										
Sub Elements of Activity											
Description of Materials		Forma									
Location to be Used		From	388+100	TO	388+500						
MAR & UIR Approval No		(55-B-DW-M-5(48))	Date	08/1/2023							
Supplier Name		ELSEWY, DREAM WAY	70/12/2022								
Test Requirement		F.D.T (ASTM D 1556)	Specification	HAWTHORN SPECIFICATIONS & TESTING REPORT (CG23-412) VERSION 3 BY CHIEFS GROUP							
Reference Photos		No/Yes	Other								
Item	Description	Unit	Quantity	Arrival Date	Note						
1	SAND COME TEST	NUMBER	2	8/1/2023							
2											
3											
4											
Comments by Eng. Mazen Esawy (Spectrum)			Comments by: Eng. Alaa Abd-Allah (SAGRA)								
1-The Compaction Test Result F.D.T. (ASTM D 1556) is Approved.			1-F.D.T was carried-out by Third Party Laboratory COMIBASSAL 2-Results report attached and acceptable with respect specifications.								
APPROVAL STATUS											
Organisation	Name	Sign	Date	A-SAGRA							
Contractor	Eng. Elsayed Mohamed			A							
QA/QC*	Eng. Mazen Esawy			A							
SAGRA**	Eng. Margret			A							
Employers Representative	Eng. Alaa Abd-Allah			A							



MATERIAL INSPECTION REQUEST							
Contractor Company	Dream Way Company	Designer Company	(SPECTRUM) Consulting Office				
Issued by Contractor	Name: Eng. Abd elrhman Atef Page: 8/1/2023 MIR 048	Date / Serial Number	Time: 10:00 AM				
Received by QA/QC CONSULTANT	Eng. Sayed Seif	Signature	NO	YES	NO	YES	NO
			300	EW	CS	9	1
			23	10	0		
	Station Reference	OS to SS	Up Side Note				
		Export Reference	For Material point only Start from used				
	Work Activity						
	Sub Element of Activity						
Description of Materials	FERMA						
Location to be Used	From: 300+300 TO: 300+500						
MAR & UIR Approval No.	UIR ID-348	Date:	8/1/2023				
	M.A.R (12-2)		20/12/2022				
Supplier Name							
Test Requirement	F.D.T (ASTM D 1556)	Specification	DATA/WORK SPECIFICATIONS & TEST REPORT (TEST 41.2) VERSION 1 BY CHESON GROUP				
Reference Photos	No/Yes	Other					
Item	Description	Unit	Quantity	Arrival Date	Note		
1	SAND CONE TEST	NUMBER	4	8/1/2023			
2							
3							
4							
Comments by Eng. Sayed Seif			Comments by: Eng. Alaa Abd-Alattif (IR)				
1-The Compaction Test Result F.D.T. (ASTM D 1556) is Approved.			1-F.D.T was carried-out by Third party lab (Combassil) 2-Results report attached and acceptable with project specifications. 3-Final approval is subject to above mentioned comments.				
APPROVAL STATUS							
Organisation	Name	Sign	Date	A.W.C. R			
Contractor	Eng. Abd elrhman Atef	عبد الرحمن أطف	8/1/2023	A			
QA/QC *	Eng. Sayed Seif	سعيد سيف		A			
GARB**	Eng. Mohamed Hyad	محمد هياذ					
Employers Representative	Eng. Alaa Abd-Alattif	ألاء عبد الحفيظ	2023-10-01	AWC			

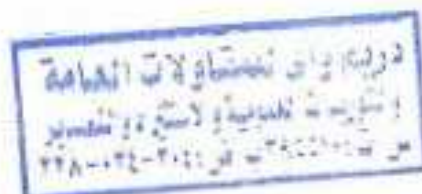




# COMIBASSAL International Controllers

## Internal inspection and laboratories sector

Accredited by : Egypton General Authority for Petroleum under No. 34/29-II-2011



Report NO. : 163/01/center ( بدل فلك )  
Date : 18/1/2023

### Field Detr. Of Density Of Soil In Place Report ASTM - D 1556

General consultant :  
Consultant :  
Contractor :  
Project :  
Sample :  
Date of test :

SYSTRA  
SPECTRUM  
شركة تريم واي  
Electric express train  
Ferna  
9 - 1 - 2023



#### Results :

Points NO.	1	2	3	4	5	6
Description	St ( 388+250 )	St ( 388+300 )	St ( 388+350 )	St ( 388+400 )	St ( 388+450 )	St ( 388+500 )
Initial wt. (gm)	8100	10310	7380	7268	10440	7390
Wt. after filling the cone and the hole (gm)	5000	7160	4200	4160	7300	4300
Wt. of wet Sample (gm)	2425	2480	2480	2400	2470	2410
Wt. of sand filling hole (gm)	1582	1632	1632	1587	1622	1572
Wt. of sand filling cone (gm)	1518	1018	1518	1518	1518	1518
Density of standard sand (Y <sub>s</sub> ) (gm/cc)	1.44					
Volume of hole (cm <sup>3</sup> )	1098.61	1133.33	1133	1102.1	1128.4	1091.7
Wt. of wet Sample (gm)	200					
Wt. of sample after drying (gm)	186.8	184	187	184.4	185.1	186.3
Wet Density (Y <sub>wet</sub> ) (gm/cc)	2.287	2.171	2.197	2.178	2.185	2.208
Moisture ratio (%)	7.2	8.7	6.9	8.5	8.0	7.4
Dry Density (Y <sub>dry</sub> ) (gm/cc)	2.059	1.997	2.058	2.008	2.029	2.086
(Y <sub>max,dry</sub> ) (gm/cc)	2.05					
Compaction Ratio (%)	100	97	100	98	99	101

Civil. Eng Department

Eng : Eman. E. Kandil





MATERIAL INSPECTION REQUEST											
Contractor Company	Dream Way Company			Designer Company	SPECTRUM Consulting Office						
Issued by Contractor	Name	Eng. Elseed Mohamed	Sign	Date/Serial Number		15/01/2023					
				(55-B-DW) FDT(52)		10:00 AM					
Received by SARB CONSULTANT	Eng. Mazen Esamy	Sign	MIR	388	EW	CS	16	1	2023	10	0
	To: M 521			By: M 521		By: M 521 Note					
	Master Reference			Detail Reference		For Material point only Start No. is used					
CODE - 2	Work Activity										
CODE - 3	Sub Element of Activity										
Description of Materials	Ferre										
Location to be Used	From	388+200	10	388+300							
		388+383.86		388+483.86							
MAR & MIR Approval No	(55-B-DW-IR-5/52)	Date	15/1/2023								
	M.A.R.(55-B-DW-QT(19-1))		20/12/2022								
Supplier Name	ELSEWY, DREAM WAY										
Test Requirement	F.D.T (ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG23-4L2) VERSION 2 BY DIVISION GROUP								
Reference Photos	No/Yes	Other									
Item	Description	Unit	Quantity	Arrival Date	Note						
1	SAND CONE TEST	NUMBER	2	17/1/2023							
2											
3											
4											
Comments by: Eng. Mazen Esamy (Spectrum)				Comments by: Eng. Alaa Abd-Allatif (SAR)							
				1-F.D.T was carried-out by material engineer for both contractor and GARB consultant 2-Results report attached and acceptable with project specifications.							
1-The Compaction Test Result F.D.T (ASTM D 1556) is Approved.											
APPROVAL STATUS											
Organisation	Name	Sign	Date	A-RWC-B							
Contractor	Eng. Elseed Mohamed			A							
QA/QC *	Eng. Mazen Esamy			A							
GARB **	Eng. Margret										
Employers Representative	Eng. Alaa Abd-Allatif			A							

\* Engineer

\*\* Approved/Design/Calculated



# MATERIAL INSPECTION REQUEST



الهيئة العامة  
للطرق والكباري  
(GARB)



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	Dream way Company		Designer Company*	(SPECTRUM) Engineering Consulting Office																
Issued by Contractor	Name	Sign	Date/Serial Number	Time																
	Eng. Abdelrahman atef		15/01/2023 (M.I.R.052)	3:00 PM																
Received by GARB CONSULTANT	Eng. SAIED SAIF		MIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>CC</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>388</td> <td>EW</td> <td>CS</td> <td>16</td> <td>01</td> <td>2023</td> <td>12</td> <td>00</td> </tr> </table>	C1	C2	C3	CC	MM	YY	HH	MM	388	EW	CS	16	01	2023	12	00
C1	C2	C3	CC	MM	YY	HH	MM													
388	EW	CS	16	01	2023	12	00													

CODE-1	STATION REFERENCE	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		



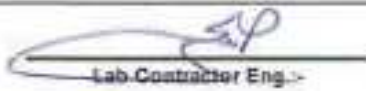
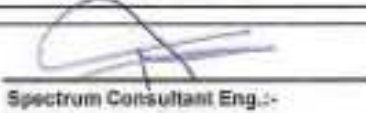
Description of material	fill layer at ferma level				
Location to be used	from	388+200	TO	388+300	
MAR&UR APPROVAL NO	U/R-S-52 M.A.R.(11-2)	Date	15/01/2023 20/12/2022		
SUPPLIER NAME	ELSEWY/Dream way				
Test Requirement	F.D.T ASTM D 1556	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2)/VERSION2 BY CIVECON GROUP.		
Reference photos	No/Yes	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1			2		
2					

Comments by: Eng. Mazen Essamy (SPECTRUM)	
 The coruaction test result F.D.T (ASTM D 1556) is Approved.	1-F.D.T was carried -out by material engineer for both contractor and GARB consultant 2-Result report attached and acceptable with project specifications. 3-Final approval is subject to above mentioned comments.

APPROVAL STATUS				A-AWC-R
Organisation	Name	Sign	Date	
Contractor	Eng. Abdelrahman atef			A
XYZ Survey	Eng. Mohamed Khalil			
QA/QC*	Eng. Saied saif			A
GARB**	Eng. Mohammed Fayad			
Employers Representative	Eng. Alaa Abd-Allatif			AWC



دریم وائی للمشاورات العامة  
والترخيص المرصدة والاستشارات الهندسية  
بعض : ٣٩٥١٠ - ٣٩٥١٠ - ٣٩٥١٠

   			
<b>Electrical express train from borg al-arab to alamein</b>			
Activity : Earth Work	lab testing Results	Date	17/1/2023
Density and Unit Weight of Soil in Place by the Sand-Cone Method – ASTM D 1556			
Company:	Dream Way	Layer NO:	ferma
Description :	IR-S(52)	Layer Thickness:	FD152
Section Represented :	388+200 TO 388+300 ferma	Sample Date :	16/1/2023
Modified Proctor Testing Results			
Max. Dry Density, gm/cm <sup>3</sup>	Optimum Moisture Content, %	Degree of Compaction Required, %	Bulk Density of Specified Sand, gm/cm <sup>3</sup>
2.05	8.4	95%	1.430
Compaction Testing Results & Calculations			
Hole No.	1	2	
Stations	388+250	388+300	
Wt. of Sand before Test, gm	9514	9537	
Wt. of Sand After Test, gm	9874	9897	
Wt. of Sand in Cone + hole, gm	3940	3650	
Wt. of Sand in Cone	1482	1482	
Wt. of Sand at hole, gm	2458	2168	
Volume of the Hole, cm <sup>3</sup>	1719	1516	
Wt. of Soil from Hole, gm	3574	3245	
Bulk Density of Soil, gm/cm <sup>3</sup>	2.137	2.106	
Moisture Content, %	9.0	5	
Dry Density, gm/cm <sup>3</sup>	2.016	2.006	
Compaction, (%)	98.3%	97.8%	
<div style="display: flex; justify-content: space-between;"> <span>Acceptance Criteria</span> <span>Comply <input type="checkbox"/></span> <span>Not Comply <input type="checkbox"/></span> </div>			
CONSULTANT COMMENTS			
 Lab Contractor Eng.:-		 Spectrum Consultant Eng.:-	



# MATERIAL INSPECTION REQUEST



DREAM WAY



الهيئة العامة  
للمطرق والجسور  
(GARB)



المكتب الاستشاري  
سبكتروم  
(SPECTRUM)



Contractor Company	Dream Way Company	Designer Company	(SPECTRUM) Consulting Office
Issued by Contractor	Name Eng. ELsaeed Mohamed	Date/Serial Number 07/01/2023 (S5-B-DW) FDT(47)	Time 10:00 AM
Received by GARB CONSULTANT	Eng. Mazen Esamy	MIR	388 EW CS 07 01 23 10 00

Sheet	S1 to S21	D1 to S3	Kp XXX Note
	Station Reference	Depot Reference	For Kilometer point only Start Km is used
Work	Work Activity		
Sub-Element	Sub Element of Activity		

Description of Materials	FILL LAYER(-0.50)		
Location to be Used	From	388+200 388+383.86	TO 388+300 388+483.86
MAR & UIR Approval No	S5-B-DW-IR-S(47) M.A.R.(S5-B-DW-Q.T.-19-01)	Date	07/01/2023 20/12/2022
Supplier Name	ELSEWY, DREAM WAY		
Test Requirement	F.D.T (ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (0021-41.2) VERSION 2 BY CIVECON GROUP
Reference Photos	No/Yes	Other	

Item	Description	Unit	Quantity	Arrival Date	Note
1	SAND CONE TEST	NUMBER	4	08/01/2023	
2					
3					
4					

Comments by: Eng. Mazen Esamy (Spectrum)	Comments by: Eng. Alaa Abd-Allatif (ER)
1-The Compaction Test Result F.D.T (ASTM D 1556) is Approved.	1-F.D.T was carried- out by material engineer for both contractor and GARB Consultant
	2-Results report attached and acceptable with project specifications.

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. ELsaeed Mohamed		08/01/2023	A
QA/QC *	Eng. Mazen Esamy			A
GARB**	Eng. Margret			
Employers Representative	Eng. Alaa Abd-Allatif			A

\* Designer  
\*\* Approval/Signatures: Consultant only



# MATERIAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	Dream way Company		Designer Company*	(SPECTRUM) Engineering Consulting Office	
Issued by Contractor	Name	Sign	Date/Serial Number	Time	
	Eng. Abdelrahman atef		07/01/2023 (M.L.R.047)	3:00 PM	
Received by GARB CONSULTANT	Eng. SAIED SAIF		MM	DD	YY
			08	01	2023
			12	00	

CODE-1	STATION REFERENCE	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

Description of material	fill layer at -0.50 from forma level				
Location to be used	from	388+200	TO	388+300	
MARSHUR APPROVAL NO	UIR-S-47 M.A.R(1F-2)	Date	7/1/2023 5/12/2022		
SUPPLIER NAME	ELSEWY, Dream way				
Test Requirement	F.D.T (ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS A TESTING REPORT (CCT1)-41.2 (VER)XN2 BY CIVECON GROUP.		
Reference photos	No/Yes	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1			4		
2					

Comments by: Eng. Mazen Essamy (SPECTRUM)

The conaction test result F.D.T (ASTM D 1556) is Approved.	<p>1-F.D.T was carried out by material engineer for both contractor and GARB consultant</p> <p>2-Result report attached and acceptable with project specifications.</p> <p>3-Final approval is subject to above mentioned comments.</p>
--	---

APPROVAL STATUS					A-AWC-R
Organisation	Name	Sign	Date		
Contractor	Eng. Abdelrahman atef				A
XYZ Survey	Eng. Mohamed Khalil				
QA/QC*	Eng. Saied saif			A	A
GARB**	Eng. Mohammed Fayad				
Employers Representative	Eng. Alaa Abd-Allatif				AWC





### Electrical express train from borg al-arab to alamein

Activity : Earth Work

lab testing Results

Date

10/1/2023

### Density and Unit Weight of Soil in Place by the Sand-Cone Method – ASTM D 1556

Company:	Dream Way	Layer NO:	m-0.50
Description :	IR-S(47)	Layer Thickness:	FD147
Station Represented :	388+200 TO 388+300 m-0.50	Sample Date :	8/1/2023

### Modified Proctor Testing Results

Max. Dry Density, gm/cm <sup>3</sup>	Optimum Moisture Content, %	Degree of Compaction Required, %	Bulk Density of Specified Sand, gm/cm <sup>3</sup>
2.10	8.6	95%	1.430

### Compaction Testing Results & Calculations

Hole No	1	2						
Stations	388+250	388+300						
Wt. of Sand before Test, gm	9568	9218						
Wt. of Sand After Test, gm	8889	8627						
Wt. of Sand in Cone + Hole, gm	3679	3591						
Wt. of Sand in Cone	1482	1482						
Wt. of Sand at hole, gm	2197	2109						
Volume of the Hole, cm <sup>3</sup>	1538	1475						
Wt. of Soil from Hole, gm	3500	3391						
Bulk Density of Soil, gm/cm <sup>3</sup>	2.138	2.148						
Moisture Content, %	6.0	6						
Dry Density, gm/cm <sup>3</sup>	2.015	2.024						
Compaction, (%)	96.0%	96.4%						

Acceptance Criteria

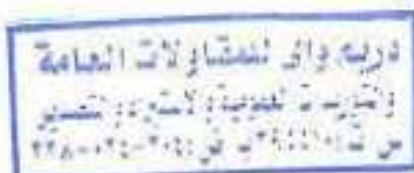
Comply

Not Comply

CONSULTANT COMMENTS

Lab Contractor Eng.:-

Spectrum Consultant Eng.:-





The work described below will be complete and ready for inspection at a fixed time stated

EXPLANATION OF WORK TO BE INSPECTED

**INSPECTION DETAILS** the following will be ready at the Planned Inspection Time

**COMPLIANCE EVIDENCE** Must be included as appropriate







Comments by Eng. Mohamed KHALIL (XYZ)

  
مشروع التطار السريع غرب النيل

### INSPECTION RESULT

INSPECTION RESULT					Approval Status	Please Tick if Not Attend
Organisation	Name	Sign	Date	Time	A-AWC-R	
Contractor	Eng. Elhaseed Mohamed				A	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. Mazon Esamy				A	
GARB**	Eng. Margret magdy					
Employers Representative	Eng. Alaa Abd-Allah				A	



Contractor	  <p>Electrical Express Train from Borg Al Arab to Alamein From Station 388+000 To Station 389+000</p>	 <p>الهيئة العامة للتنظيم</p>	Serial No. IR-S (46)	
	 <p>مكتب (أ) هندسة الجسر</p>	 <p>مكتب (أ) هندسة الجسر</p>	Date 19/12/2022	
Consultants	<b>Works Inspection Request</b>			
	We request your attendance to inspect the following works :			
	Discipline : <input type="checkbox"/> Civil/Highway <input type="checkbox"/> Structure <input type="checkbox"/> Drainage <input type="checkbox"/> Bridge			
	Location :	Zone	From Station	To Station
		DREAM WAY	388+000	388+200
				Level (DL-0.00)-1
	References		Drawing: EET-BORG EL ARAB REV 30 Plan Profile	
			Specification: EET L.S.1 Earthworks Specifications and Testing Report	
	Purpose of the inspection			
	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> <input type="checkbox"/> Surveying  <input type="checkbox"/> Setting out  <input type="checkbox"/> Levels  <input type="checkbox"/> Material         </div> <div style="border: 1px solid blue; padding: 5px; color: blue;"> <p>لدينا ذات المقاولات العامة التي تم تنفيذها في الموقع في الترخيص من 228-000-000 إلى 228-000-200</p> </div> </div>			
Attachments				
1- MASTER SHEET FOR FILL ACCORDING TO REV 25		2-DAYLIGHT COORDINATES		
3-LEVELS OF LAYER		4-PREVIOUS IR-S(40)		
Works To be Inspected				
SOIL LAYER A 1.100 FROM PERMA LEVEL FROM 388+000 TO 388+200				
 				
Submitted by:		Name:		
DREAM WAY		Signature:		
Surveying Consultant Engineer's Comments:				
Date of Inspection: / /				
levels matching the attached master sheet which APPROVED by Spectrum.				
The works are : <input checked="" type="checkbox"/> Approved (A) <input type="checkbox"/> Approved as noted (B) <input type="checkbox"/> Noted (C) <input type="checkbox"/> Rejected (D)				
Name:		Signature:		
محمد جلال		[Signature]		
GARR Consultant Engineer's Comments:				
Date of Inspection: / /				
The works are : <input checked="" type="checkbox"/> Approved (A) <input type="checkbox"/> Approved as noted (B) <input type="checkbox"/> Noted (C) <input type="checkbox"/> Rejected (D)				
Name:		Signature:		
[Signature]		[Signature]		
General Consultant's Comments:				
Date: / /				
1- coordinates and levels and width checked by GARR consultant but 1 sec from should approved from SYSTRA - 2- final approval in subject to above mentioned comment.				
The works are : <input checked="" type="checkbox"/> Approved (A) <input type="checkbox"/> Approved as noted (B) <input type="checkbox"/> Noted (C) <input type="checkbox"/> Rejected (D)				
Name:		Signature:		
Abas Abdellatif		[Signature]		
GARR Engineer's Comments:				
Date: 19/12/				
Name:		Signature:		
General Consultant Eng.		GARR Eng.		



Station	Left Side				CL	Right Side			
	SLOPE %	14.94	12	8	4	4	8	11.44	SLOPE %
388+000	4%	8.125	8.243	8.403	8.563	8.723	8.563	8.403	8.265
قراءة التمام									4%
الفرق		-2	-2		+1	✓	-1	+2	✓
388+020	4%	8.074	8.192	8.352	8.512	8.672	8.512	8.352	8.214
قراءة التمام									4%
الفرق		-2	-2	-1	✓	+1	-1	+1	-2
388+040	4%	8.023	8.141	8.301	8.461	8.621	8.461	8.301	8.163
قراءة التمام									4%
الفرق		-2	-1	+2	✓	-1	-1	+1	✓
388+060	4%	7.971	8.089	8.249	8.409	8.569	8.409	8.249	8.111
قراءة التمام									4%
الفرق		+1	-2	-1	+2	-1	✓	✓	+1
388+080	4%	7.920	8.038	8.198	8.358	8.518	8.358	8.198	8.060
قراءة التمام									4%
الفرق		+2	-2	+2	✓	+1	✓	-2	✓
388+100	4%	7.869	7.987	8.147	8.307	8.467	8.307	8.147	8.009
قراءة التمام									4%
الفرق		✓	✓	-2	+1	-1	8.256	8.096	7.958
388+120	4%	7.818	7.936	8.096	8.256	8.416	8.256	8.096	7.958
قراءة التمام									4%
الفرق		+1	✓	✓	-2	+2	-1	✓	✓
388+140	4%	7.766	7.884	8.044	8.204	8.364	8.204	8.044	7.906
قراءة التمام									4%
الفرق		✓	+1	+1	+2	✓	-2	-1	✓
388+160	4%	7.715	7.833	7.993	8.153	8.313	8.153	7.993	7.855
قراءة التمام									4%
الفرق		✓	-1	✓	-2	-1	-2	✓	+1
388+180	4%	7.664	7.782	7.942	8.102	8.262	8.102	7.942	7.804
قراءة التمام									4%
الفرق		+1	✓	-1	✓	✓	-1	✓	+1
388+200	4%	7.613	7.731	7.891	8.051	8.211	8.051	7.891	7.753
قراءة التمام									4%
الفرق		✓	✓	+1	✓	✓	✓	✓	✓

ملاحظة: رافعات الحفارات لا تقرأ  
في خطوط التمام أو الفرق  
من 0.00 إلى 0.05

مشروع القطار السريع بحرب النجيل



Handwritten signature at the top right of the page.



STATION	LEFT OFFSET (-1)			LEFT WIDTH			CL			RIGHT WIDTH			RIGHT OFFSET (-1)			TOTAL WIDTH
	N	E	Z	N	E	Z	N	E	Z	N	E	Z	N	E	Z	
388+000.00	899821.704	428045.969	8.1254	899,835.636m	428,051.3614m	8.723	899846.305	428055.491	8.2654	899846.305	428055.491	8.2654	899846.305	428055.491	8.2654	26.38
388+020.00	899828.923	428027.317	8.0744	899,842.8554m	428,032.7097m	8.672	899853.524	428036.839	8.2144	899853.524	428036.839	8.2144	899853.524	428036.839	8.2144	26.38
388+040.00	899836.141	428008.665	8.0234	899,850.0743m	428,014.0579m	8.621	899860.743	428018.187	8.1634	899860.743	428018.187	8.1634	899860.743	428018.187	8.1634	26.38
388+060.00	899843.36	427990.014	7.9714	899,857.2932m	427,995.4062m	8.569	899867.962	427999.535	8.1114	899867.962	427999.535	8.1114	899867.962	427999.535	8.1114	26.38
388+080.00	899850.579	427971.362	7.9204	899,864.5122m	427,976.7545m	8.518	899875.181	427980.884	8.0604	899875.181	427980.884	8.0604	899875.181	427980.884	8.0604	26.38
388+100.00	899857.798	427952.71	7.8694	899,871.7311m	427,958.1027m	8.467	899882.4	427962.232	8.0094	899882.4	427962.232	8.0094	899882.4	427962.232	8.0094	26.38
388+120.00	899865.017	427934.058	7.8184	899,878.9500m	427,939.4510m	8.416	899889.519	427943.58	7.9584	899889.519	427943.58	7.9584	899889.519	427943.58	7.9584	26.38
388+140.00	899872.236	427915.407	7.7654	899,886.1690m	427,920.7993m	8.364	899896.838	427924.929	7.9064	899896.838	427924.929	7.9064	899896.838	427924.929	7.9064	26.38
388+160.00	899879.455	427896.755	7.7154	899,893.3879m	427,902.1475m	8.313	899904.057	427906.277	7.8554	899904.057	427906.277	7.8554	899904.057	427906.277	7.8554	26.38
388+180.00	899886.674	427878.103	7.6644	899,900.6068m	427,883.4958m	8.262	899911.276	427887.625	7.8044	899911.276	427887.625	7.8044	899911.276	427887.625	7.8044	26.38
388+200.00	899893.893	427859.452	7.6134	899,907.8258m	427,864.8441m	8.211	899918.495	427868.973	7.7534	899918.495	427868.973	7.7534	899918.495	427868.973	7.7534	26.38

در تمام وادی القطار لانت العامة  
والتي تخدم المنطقة من ٢٠١٨-٢٠٢٤  
من قبل شركة القطار للخدمات العامة



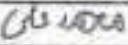
مشروع القطار السريع - طريق التمدد  
EXX







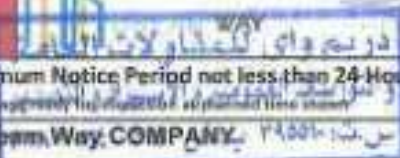


 	<b>Electrical Express Train From Burg Al Arab to Al-Sayid</b> <b>From Station 388+000 To Station 389+000</b>		وزارة المواصلات و الأشغال العامة	
	مكتب أرقام المساحة		13/12/2022	
<b>Works Inspection Request</b>				
We request your attendance to inspect the following work:				
Discipline: <input type="checkbox"/> Civil/Structural <input type="checkbox"/> Station <input type="checkbox"/> Signal <input type="checkbox"/> Slew				
Location:	From	From Station	To Station	Level
	DREAM WAY	388+000	389+000	(UL-4.90)-1.25
Reference:	Drawing: EET-SORD IL ARAB RAY 25 Plan Profile Specification: EET-SORD IL ARAB RAY 25 Plan Profile			
Purpose of the Inspection:				
<input type="checkbox"/> Surveying <input type="checkbox"/> Testing <input type="checkbox"/> Laid <input type="checkbox"/> Relayed				
Attachments:				
3- MASTER SHEET FOR FULL ACCORDING TO REVER		3-DAYLIGHT COORDINATES		
3-LEVELS OF LAYER		4-PREVIOUS RE-S(24)		
Works To be Inspected:		SOIL LAYER AT -1.25 FROM PERMA 388+000 TO 389+000		
Submitted by: DREAM WAY Name: Signature:				
Supervision Consultant Engineer's Comments:				
Date of Inspection: / /				
Level matching the attached master sheet which approved by spectrum.				
The works are: <input type="checkbox"/> Approved (A) <input type="checkbox"/> Approved in kind (B) <input type="checkbox"/> Rejected (C) <input type="checkbox"/> Rejected (D)				
Name: Signature:				
SARD Consultant Engineer's Comments:				
Date of Inspection: / /				
				
The works are: <input type="checkbox"/> Approved (A) <input type="checkbox"/> Approved in kind (B) <input type="checkbox"/> Rejected (C) <input type="checkbox"/> Rejected (D)				
Name: Signature:				
General Consultant's Comments:				
Date: / /				
The works are: <input type="checkbox"/> Approved (A) <input type="checkbox"/> Approved in kind (B) <input type="checkbox"/> Rejected (C) <input type="checkbox"/> Rejected (D)				
Name: Signature:				
SARD Engineer's Comments:				
Date: / /				
Name: Signature:				
General Consultant Eng. SARD Eng.				





# UNIVERSAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24-Hours

The Work described below will be completed by the Contractor by the planned time shown

Contractor Company	Dream Way COMPANY			Designer Company*	(SPECTRUM) Engineering Consulting Office						
Issued by Contractor	Name	Sign	Date/Serial Number	Time							
	Eng. Elsaied Mohamed		03/01/2023 S5-B-DW-IR-S(47)	01:00							
Received by GARB CONSULTANT	Eng. Mazen Esamy		UIR	388	EW	CS	04	01	23	01	00

CODE - 1	S1 to S21 Station Reference	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used
CODE - 2	Work Activity		
CODE - 3	Sub Element of Activity		

## EXPLANATION OF WORK TO BE INSPECTED

Description					Element	Item
From St.	388+200	To St.	388+300	REV 29	Fill layer ( -0.50 )	upper embankment
From St.	388+383.86	To St.	388+483.86	REV 35		

## INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as indicated
Drawing Reference PLAN AND PROFILE (REV.35) POINT OF SHEET POINT ON PLAN MASTER SHEET FOR CUT AND FILL APPROVED BY (SPECTRUM)CONSULTING	References MAR (S5-B-DW- QT-15-01) MIR (S5-B-DW- FDT-44)	MS References -Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (DS21-41.2)VERSION2 BY CIVECON GROUP -TECHNICAL REPORT (CS21-322.1) VERSION 1 BY CIVECON GROUP.	

Comments by: Eng. Mohamed KHALIL (XYZ)

- 1- Attached Master Sheet approved by SPECTRUM .
- 2-As Built (-0.50) fill layer coordinates , Elevations , Width



Comments by: Eng. Mostafa reyad (SPECTRUM)

Comments by: Eng. Alaa Abd-Allatif (ER)

1-coordinates & levels and width checked by GARB consultant

## INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng. Elsaied Mohamed				A	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. Mazen Esamy				A	
GARB**	Eng. Margret magdy					
Employers Representative	Eng. Alaa Abd-Allatif					



# UNIVERSAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company		Dream way Company		Designer Company*		(SPECTRUM) Engineering Consulting Office	
Issued by Contractor	Name	Sign	Date/Serial Number	Time			
	Eng. Abdelrahman staf	Abdelrahman	03/01/2023 IR-S (47)	12:00 PM			
Received by GARB CONSULTANT	Eng. SAIED SAIF	UIR	388+200	EW	CS	04	01
CODE-1	STATION REFERENCE		D1 to D3 Depot Reference		Kp XXX Note		
CODE-2			Work Activity		For Kilo meter point only Start Km is used		
CODE-3			Sub Element of Activity				

## EXPLANATION OF WORK TO BE INSPECTED

Description	Element	Item
From St. 388+200 To St. 388+300	At level -0.50m with slope	Soil Replacement

## INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as indicated
Drawing Reference	I.T.P. References	MS Reference	
PLAN AND PROFILE REV-30	MAR(11-2) MIR(44)	-Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP -TECHNICAL REPORT (CG21-12.1) VERSION 1 BY CIVECON GROUP	
Comments by: Eng. Mohamed Mousour (XYZ)		Comments by: Eng. Alaa Abd-Allatif (ER)	
1- Attached Master Sheet approved by SPECTRUM		1-coordinates & levels and width checked by GARB consultant	
		2- (REV. 3D & X-sec./20m) Should Approved from SYSTRA.	
		3-Final approval is subject to above mentioned comments.	

## INSPECTION RESULT




Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng. Abdelrahman staf	Abdelrahman			A	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. Saied saif				A	
GARB**	Eng. Mohammed Fayad					
Employers Representative	Eng. Alaa Abd-Allatif				A	

\* Designer  
File Name : MS-FL032







<div><div></div><div>مستوى الارتفاعات من 388+200 إلى 388+300</div></div>											
Levels Of Layer (-0.5) From F.L. (from 388+200 to 388+300)											
Station	Left Side					C.I.	Right Side				
	SLOPE %	14.19	12	8	4		4	8	10.69	SLOPE%	
388+200	4%	8.143	8.231	8.391	8.551	8.711	8.551	8.391	8.283	4%	
قوة العامة											
الفرق		+2	✓	+2	-1	✓	+1	✓	+2		
388+220	4%	8.091	8.179	8.339	8.499	8.659	8.499	8.339	8.231	4%	
قوة العامة											
الفرق		-2	+1	+1	✓	+1	-1	+2	+1		
388+240	4%	8.040	8.128	8.288	8.448	8.608	8.448	8.288	8.180	4%	
قوة العامة											
الفرق		+1	✓	✓	-1	✓	-2	✓	✓		
388+260	4%	7.989	8.077	8.237	8.397	8.557	8.397	8.237	8.129	4%	
قوة العامة											
الفرق		+1	✓	+2	✓	+2	-1	+2	✓		
388+280	4%	7.938	8.026	8.186	8.346	8.506	8.346	8.186	8.078	4%	
قوة العامة											
الفرق		✓	✓	+1	✓	+1,5	✓	✓	+1		
388+300	4%	7.886	7.974	8.134	8.294	8.454	8.294	8.134	8.026	4%	
قوة العامة											
الفرق		✓	-2	-1	+1	✓	✓	-2	✓		



دراسة واتى للتقارير الخاصة  
بمشاريع البنية التحتية  
من 1998 إلى 2023

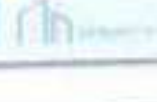
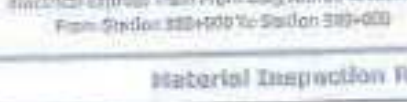




AM-A-263









		Serial No. PDT ( 44 )
محطة / Station Electrical Supply Train From Bag Alnabi to Alnabi From Station 388+000 To Station 389+000		Date 17/12/2023
<b>Material Inspection Request</b>		
We request your attendance to inspect the following works :		
Discipline :	<input type="checkbox"/> Material tested <input type="checkbox"/> Full Daily Test <input type="checkbox"/> Material Met	
Location :	Zone Dream Way	From Station 388+200
References	IR- Survey No(44)	To Station 389+000 Level (DL-0.95)-0.75 Specification: SET U.I.1.Burthowles Specifications and Testine Report
Purpose of the inspection		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Subgrade      <input type="checkbox"/> Sub Ballast  <input type="checkbox"/> Layer Underlayment      <input type="checkbox"/> Ballast  <input type="checkbox"/> L / H Underlayment      <input type="checkbox"/> Underlayment         </div> <div style="width: 50%; border: 1px solid black; padding: 5px; text-align: center;">           درجہ ذیل امتحانات العامة            والقيودات الخاصة بالاسفلت            من ٢٢٨-٠٣٤-٢٠٢١         </div> </div>		
Attachments		
1- F.D.T result ASTM D 1556		2-Master Sheet
3- Previous Surveying IR (38)		4-Previous F.D.T. No. (38)
Works To be Inspected	Compaction test result (388+200 to 389+000) Layer (-0.75) 	
Submitted by:	Dream way	Name: Signature:
GARB Consultant Engineer's Comments:		Date of Inspection:
The compaction test result (F.D.T) is OK		
The works are : <input checked="" type="checkbox"/> Approved (R) <input type="checkbox"/> Approved as noted (R) <input type="checkbox"/> Rejected (R) <input type="checkbox"/> Rejected (R)		
Name: <u>Mazin Elamy</u>		Signature:  Date: 1 / 1
General Consultant's Comments:		
1- Two sample was selected for (F.D.T) 2- Sand cone test was carried out by contractor and GARB consultant 3- Results attached and formed acceptable and completely with project specs. 4- Final approval is subject above mentioned comment		
The works are : <input checked="" type="checkbox"/> Approved (R) <input type="checkbox"/> Approved as noted (R) <input type="checkbox"/> Rejected (R) <input type="checkbox"/> Rejected (R)		Signature:  Date: 18/12/23
Name: <u>Abdellatif</u>		Signature:  Date: 18/12/23
GARB Engineer's Comments:		
Name: /		Signature:
General Consultant Eng.		GARB Eng.



# UNIVERSAL INSPECTION REQUEST



الهيئة العامة  
للقانون  
2018



الهيئة العامة  
للقانون  
2018



الهيئة العامة  
للقانون  
2018



الهيئة العامة  
للقانون  
2018

## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be completed ready for inspection at planned inspection time.

Contractor Company	Green Way COMPANY			Designer Company*	SPECTRUM Engineering Consulting Office		
Issued by Contractor	Name	Sign	Date/Serial Number	Time			
	Eng. Elhassan Mohamed		09/01/2023 S5-B-DW-IR-S(50)	01:00 p			
Received by GARB CONSULTANT	Eng. Mazen Esamy		UIR	388	EW	CS	10
				MM	YY	HH	MM
				01	23	01	00

CODE-1	S1 to S21 Station Reference	DT to DT Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used.
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

## EXPLANATION OF WORK TO BE INSPECTED

Description				Element		Item
From St.	388+200	To St.	388+300	REV 29	Fill layer ( -0.25 )	upper embankment
From St.	388+383.86	To St.	388+483.86	REV 35		

## INSPECTION DETAILS The Following will be ready at the Planned inspection Time

Planned Inspection Date	Planned Inspection Time

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as indicated
Drawing Reference	References	MS References	
PLAN AND PROFILE (REV.35) POINT OF SHEET ON PLAN MASTER SHEET FOR CUT AND FILL APPROVED BY (SPECTRUM)CONSULTING	MAR (S5-B-DW- QT-19-01) MTR ( S5-B-DW- FDT-47 )	-Specification- EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-4L2) VERSION 2 BY OVECON GROUP. -TECHNICAL REPORT (CG21-122.1) VERSION 1 BY OVECON GROUP.	

## Comments by:Eng. Mohamed KHALIL (XYZ)

1- Attached Master Sheet approved by SPECTRUM.  
As Built (-0.25) fill layer coordinates , Elevations , Width



## Comments by:Eng. Mostafa reyad (SPECTRUM)

## Comments by:Eng. Alaa Abd-Allatif (ER)

1- تم استلام القطع الفني من قبل  
2- تم مراجعة سطح المنشأة

1-coordinates & levels and width checked by GARB consultant.



## INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attended
Contractor	Eng. Elhassan Mohamed				A	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. Mazen Esamy				A	
GARB**	Eng. Margret magdy					
Employers Representative	Eng. Alaa Abd-Allatif				A	



# UNIVERSAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company		DREAM WAY		Designer Company*		(SPECTRUM) Engineering-Consulting Office	
Issued by Contractor	Name	Sign	Date/Serial Number	Time			
	Eng. Abdelrahman atef	Abdelrahman Atef	9/01/2022 IR-S (50)	1:00 PM			
Received by GARB CONSULTANT	Eng. SAIED SAIF	SAIED SAIF	UIR	CC	C2	C3	DD
				388+200	EW	CS	01
CODE-1	S1 to S21 Station Reference	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used				
CODE-2	Work Activity						
CODE-3	Sub Element of Activity						

## EXPLANATION OF WORK TO BE INSPECTED

Description	Element	Item
From St. 388+200 To St. 388+300	FILL LAYER AT (-0.25) FROM FERMA	FILL LAYER

## INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

## COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached	Test Results Attached	Calibration Attached	Other as indicated
Drawing Reference	References	MS Reference	
Plan and Profile REV. 30	MAK(8-2) MIR(47)	-Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY ONECON GROUP. -TECHNICAL REPORT (CG21-122.3) VERSION 1 BY ONECON GROUP.	
Comments by: Eng. Mohamed Mansour (XYZ) 1- Attached Master Sheet approved by SPECTRUM			
Comments by: Eng. Saied Saief (SPECTRUM) 1- تم استلام القطاع فحص بعري 2- تم مراجعة شيت المراسيب			
Comments by: Eng. Alaa Abd-Allatif (ER) 1-coordinates & levels and width checked by GARB consultant 2- (REV. 30 & X-sec./20m) Should be Approved from SYSTRA. 3-Final approval is subject to above mentioned comments.			

## INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng. M. Abogabal				A-AWC-R	
XYZ Survey	Eng. Mohamed Khalil				A	
QA/QC*	Eng. Saied Saief				AWC	
GARB**	Eng. Mohammed Fayad				A	
Employers Representative	Eng. Alaa Abd-Allatif					

\* Designer

File Name : MS-F.1032



Levels Of Layer (-0.25) From F.L. (from 388+200 to 388+300)												
Station	Left Side					C.L	Right Side					SLOPE%
	SLOPE %	13.82	12	8	4		4	8	10.32	8	10.32	
388+200	4%	8.408	8.481	8.641	8.801	8.961	8.801	8.641	8.548	8.641	8.548	4%
قراءة العامة												
الفرق			✓	✓	✓	✓	+1	+1	✓	✓	✓	
388+220	4%	8.356	8.429	8.589	8.749	8.909	8.749	8.589	8.496	8.589	8.496	4%
قراءة العامة												
الفرق			+1	✓	+1	✓		-1	-1		-1	
388+240	4%	8.305	8.378	8.538	8.698	8.858	8.698	8.538	8.445	8.538	8.445	4%
قراءة العامة												
الفرق		✓	✓	-1	✓	✓		✓	✓		✓	
388+260	4%	8.254	8.327	8.487	8.647	8.807	8.647	8.487	8.394	8.487	8.394	4%
قراءة العامة												
الفرق		-1	✓	+1	✓	✓		✓	✓		✓	
388+280	4%	8.203	8.276	8.436	8.596	8.756	8.596	8.436	8.343	8.436	8.343	4%
قراءة العامة												
الفرق		✓	✓	✓	✓	-1		✓	✓		✓	
388+300	4%	8.151	8.224	8.384	8.544	8.704	8.544	8.384	8.291	8.384	8.291	4%
قراءة العامة												
الفرق		✓	+1	+1	✓	✓	✓	-1	+1		+1	

مشروع القطار السريع غرب الفيلا



دراسة ورائد للتقانات العامة  
مهندسة ورائد للتقانات العامة  
2018-2019

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STATION	WIDTH AT ( 0.25 )											
	LEFT OFFSET (-0.25 )						RIGHT OFFSET (0.25 )					
	N	E	Z	WIDTH	N	E	Z	N	E	Z	WIDTH	TOTAL WIDTH
388+200.00	899804.942	427859.858	8.4084	13.815	899,907.8258m	427,864.8441m	8.961	899917.443	427868.567	8.5484	10.315	24.13
388+220.00	899902.161	427841.206	8.3564	13.815	899,915.0447m	427,846.1924m	8.909	899924.664	427869.916	8.4964	10.315	24.13
388+240.00	899909.38	427822.554	8.3054	13.815	899,922.2636m	427,827.5466m	8.858	899931.883	427831.264	8.4454	10.315	24.13
388+260.00	899916.599	427803.902	8.2544	13.815	899,929.4826m	427,808.8883m	8.807	899939.102	427832.612	8.3944	10.315	24.13
388+280.00	899923.818	427785.251	8.2034	13.815	899,936.7013m	427,790.2372m	8.756	899946.321	427793.96	8.3434	10.315	24.13
388+300.00	899931.037	427766.599	8.1514	13.815	899,943.9204m	427,771.5854m	8.704	899953.54	427775.309	8.2914	10.315	24.13

*[Signature]*

*[Signature]*





[illegible]



# MATERIAL INSPECTION REQUEST



## RECEIPT of NOTIFICATION-Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	Dream way Company			Designer Company*	(SPECTRUM) Engineering Consulting Office		
Issued by Contractor	Name	Eng. Abdelrahman atef	Sign	Date/Serial Number	07/01/2023 (M.I.R.047)		
	Time	3:00 PM					
Received by GARB CONSULTANT	Eng. SAIED SAIF	MIR	C1	C2	C3	DO	MM
	388	EW	CS	08	01	2023	12

CODE-1	STATION REFERENCE	D1 to D3 Depot Reference	Kp XXX Note For Kilo meter point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

Description of material	fill layer at -0.50 from forma level		
Location to be used	from	388+300	TO 388+500
MAR&UIR APPROVAL NO	UIR-S-47	Date	7/1/2023
	M.A.R(11-2)		5/12/2022
SUPPLIER NAME	ELSEWY, Dream way		
Test Requirement	F.D.T/ASTM D 1556	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (0321-41) 2/VERSION2 BY CIVECON GROUP
Reference photos	No/Yes	Other	
Item	Description	Unit	Quantity
1			4
2			

Comments by: Eng. Mazen Essamy (SPECTRUM)

<p>The connection test result F.D.T (ASTM D 1556) is approved.</p>	<p>1-F.D.T was carried-out by material engineer for both contractor and GARB consultant</p> <p>2-Result report attached and acceptable with project specifications.</p> <p>3-Final approval is subject to above mentioned comments.</p>
	<p>دوره واو للمقاولات العامة</p> <p>المهندس: مازن عيسى</p> <p>07/01/2023</p>

## APPROVAL STATUS

Organisation	Name	Signature	Date	AWC-R
Contractor	Eng. Abdelrahman atef	Abdelrahman		A
XYZ Survey	Eng. Mohamed Elhadi			
QA/QC*	Eng. Saied saif			A
GARB**	Eng. Mohammed Fayad			A
Employers Representative	Eng. Alaa Abd-Allatif			AWC

\* Designer

File Name: MS-F-1032

10/01



Contractor Company	Dream Way		Designer Company	SPECTRUM ENGINEER CONSULTING OFFICE				
Issued by Contractor	Name	Sign	Date/Serial Number	Time				
	Eng.SAEED MOHAMMED		16/1/2023 (SS-B-DW) (P.L.T.07)	10:00 AM				
Received by GARB CONSULTANT	Eng.MAZEN ESSAMY		NR	1	2	3	4	5
			388	EW	CS	17	1	2023 10 0

CODE	S1 to S21	D1 to S3	Kp XXX Note
	Station Reference	Depot Reference	For Kilometer point only Start Km is used
	Work Activity		
	Sub Element of Activity		

Description of Materials		FERMA				
Location to be Used		REV.29	388+200	TO	388+300	
		REV.35	388+383.86		388+483.86	
Supplier Name		محاجر السيوي - المليون				
Test Requirement		P.L.T (DIN 18134)		Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (EG21-41.2) VERSION 2 BY CHESON GROUP	
Reference Photos		No/Yes		Other	SS-B-DW-IR-5(52) SS-B-DW-QT(19-1)	
Item	Description		Unit	Quantity	Arrival Date	Note
1	PLATE LOAD TEST		NUMBER	4	18/1/2023	
2						
3						
4						

Comments by: Eng.MAZEN ESSAMY(spectrum)	Comments by: Eng. Alaa Abd-Allatif (ER)
 <p>1-The Plate Load Test Result (P.L.T. (DIN 18134)) is Approved.</p>	<p>1-P.L.T was carried- out by third party lab (CEL) .</p> <p>2-Results report attached and acceptable with project specifications.</p>

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng.SAEED MOHAMMED			A
QA/QC*	Eng.MAZEN ESSAMY			A
GARB**	Eng. Margret magdy			
Employers Representative	Eng. Alaa Abd-Allatif			A

\* Designer

\*\* Alignment/Bridges: GARB only





Contractor Company		DREAM WAY		Designer Company		SPECTRUM Engineering Consulting Office					
Issued by Contractor	Name	Sign	Date/Serial Number			Time					
	Eng. Abdelrahman Ataf		17/1/2023			3:00 PM					
			PLT(08)								
Received by GARD CONSULTANT	Eng. Mazen Essamy		MII	C1	C2	C3	DO	MM	YY	MM	MM
				388	EW	CS	18	1	23	3	8

CODE:	S1 to S21	D1 to S1	Rp XXX Note
	Station Reference	Depot Reference	For Kilometer point only Start Km is used
	Work Activity		
	Sub Element of Activity		

Location to be Used		From	388+200	TO	388+300
MAR		QT(12-2)	Date	20/12/2023	
Supplier Name		ELSEWY , Dream way			
Test Requirement		PLATE LOAD TEST ON FERMA	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (G23 4L2) VERSION 3 BY OVECON GROUP	
Reference Photos		No/Yes	Other	UIR -5-4B	
Item	Description	Unit	Quantity	Arrival Date	Note
1	PLT BY CONSULTING ENGINEERING BUREAU&LABORATORIES	NUMBER	2		
2					
3					
4					

Comments by: Eng. Mazen Essamy (SPECTRUM)	Comments by: Eng. Alaa Abd-Allah (ER)
 <p>1-The plate load test result by third party is approval</p>	<p>1-2 points of plt. was carried- out by (CEL) on ferma layer</p> <p>2-Results report attached and acceptable with project specifications.</p> <p>3-Final approval is subject to above mentioned comments.</p>

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Abd el rahman ataf			A
QA/QC *	Eng. Mazen Essamy			A
GARD**	Eng. Mohammed Fayad			
Employers Representative	Eng. Alaa Abd-Allah			AWC

\* Designer

\*\* Alignment/Width/Chert only

19/101



Contractor Company		AlMotahada 2 CO. for Contracting and Paving Roads		Designer Company				(SPECTRUM) Engineering Consulting Office					
Issued by Contractor	Name	Signy		Date/Serial Number				Time					
	Eng. Abdelrahman Ataf			17/1/2023				3:00 PM					
				PLT(02)									
Received by GARB CONSULTANT	Eng. Mazen Essamy		MIR	01	02	03	04	05	06	07	08	09	10
				100	101	102	103	104	105	106	107	108	109

1000.1	S1 to S23	D1 to D3	Rg XXX Note
	Station Reference	Depot Reference	For Kilometer point only Start Km is used
1000.2			
1000.3			

Location to be Used	From	388+200	TO	388+300	
MAR		Date	15/1/2023		
Supplier Name	ELSEWY , Dream way				
Test Requirement	PLATE LOAD TEST	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CS23-42.2) VERSION 2 BY DIVECON GROUP		
Reference Photos	No/Yes	Other	uik—		
Item	Description	Unit	Quantity	Arrival Date	Note
1	PLT BY CONSULTING ENGINEERING BUREAU&LABORATORIES	NUMBER	2		
2					
3					
4					

Comments by: Eng. Mazen Essamy (SPECTRUM)	Comments by: Eng. Alex Abd-Allatif (ER)
 <p>1-The plate load test result by third party is approval</p>	<p>1-2 points of pit was carried- out by (CEL) on forma layer</p> <p>2-Results report attached and acceptable with project specifications.</p> <p>3-Final approval is subject to above mentioned comments.</p>

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Abd el rahman ataf			A
QA/QC*	Eng. Mazen Essamy			A
GARB**	Eng. Mohammed Fayad			
Employers Representative	Eng. Alex Abd-Allatif			

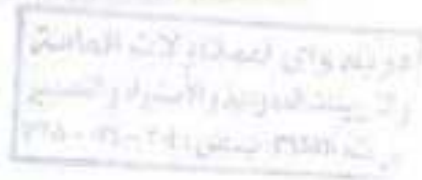
\* Designer

\*\* Alignment/Bridges Culvert only



Company : شركة دريم واى

**Project** : Electric Express Train, Al Ain Sokhna to Marsa Matrouh Priority Sector (6)  
- Borg AlArab to Foka  
**Subject** : Determine the deformation and strength characteristics of soil by the plate loading test according specifications DIN 18134:2012-04 and project requirements  
**Test Location:** Station 388+200 to 388+300  
**Test Date** : 17/01/2023  
**Report Date** : 18/01/2023  
**Type of Soil** : A-1-a  
**Type of soil** : Upper Embankment (Ferma).  
**Report No.** : 96:97



Dear Gentleman,

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 to measuring the settlement
4. Steel straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reactive loads to the loading plates
6. Dial indicator measuring device with scale capacity 700 Bar (Enerbac)
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 limit values are 2.5 kg/cm<sup>2</sup>
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 (2<sup>nd</sup>) 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

أرسلت إلى المقارنات العامة  
في تاريخ 17/01/2023  
من قبل المهندس  
27367231 - 27363093

## Report

**Type of Soil :** Upper Embankment (Ferma).  
**Job Requirement :**  $E_{v2} > 600 \text{ Kg/cm}^2$  (60 MPa).

Item	Descriptions
- Type of bedding material below the plate	Natural Soil
- Weather condition	Partly Sunny
- Plate Diameter (mm)	600
- date of measurement	17/01/2023
- 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	$E_{v2}/E_{v1}$ Ratio
	From	To	$E_{v1} \text{ (kg/cm}^2\text{)}$	$E_{v2} \text{ (kg/cm}^2\text{)}$	
1	388+200	388+250	1607	1607	1.0
2	388+250	388+300	1286	2045	1.6

Signature /

  
 مكتب معامل الإستشارات الهندسية  
 مركز القاهرة - 27367231 - 27363093







Consulting Engineering Bureau & Laboratories

مكتب معامل الاستشارات الهندسية



Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 17/01/2023  
report date : 18/01/2023  
Location : Station 388+200 to 388+250  
Test No. : 1

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

**Data sheet**

**Loading Stage (1)**

Loading	Stress Kg/cm <sup>2</sup>	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	19.84	0.16	19.83	0.17	19.90	0.10	0.14
2	0.83	19.71	0.29	19.70	0.30	19.78	0.22	0.27
3	1.25	19.60	0.40	19.58	0.42	19.65	0.35	0.39
4	1.67	19.48	0.52	19.46	0.54	19.55	0.45	0.50
5	2.08	19.36	0.64	19.34	0.66	19.46	0.54	0.61
6	2.50	19.26	0.74	19.24	0.76	19.37	0.63	0.71

**Unloading Stage (1)**

Loading	Stress Kg/cm <sup>2</sup>	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.26	0.74	19.24	0.76	19.37	0.63	0.71
2	1.25	19.30	0.70	19.30	0.70	19.40	0.60	0.67
3	0.825	19.46	0.54	19.48	0.52	19.56	0.44	0.50
4	0.01	19.74	0.26	19.78	0.22	19.82	0.18	0.22

**Loading Stage (2)**

Loading	Stress Kg/cm <sup>2</sup>	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.67	0.33	19.58	0.32	19.78	0.22	0.29
1	0.83	19.56	0.44	19.54	0.46	19.66	0.34	0.41
2	1.25	19.45	0.55	19.42	0.58	19.54	0.46	0.53
3	1.67	19.35	0.65	19.32	0.68	19.44	0.56	0.63
4	2.08	19.25	0.75	19.22	0.78	19.36	0.64	0.72
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature



3 El Malek El Afdal Street  
Zamalek, Cairo.  
Tel. & Fax : 27367231 - 27363093



٣ ش الملك الأفضل  
الزمالك - القاهرة  
تليفون : ٢٧٣٦٧٢٣١ - ٢٧٣٦٣٠٩٣  
www.cel-egypt.com



Company Name : dream Way Co.  
Project : Electric Express Train, from Borg El Arab to Alamein.  
Test Date : 17/01/2023  
report date : 18/01/2023  
Location : Station 388+200 to 388+250  
Test No. : 1

مريم ولى لا يملك آلات القياس  
والجودة الموثوقة والأشهر والتجربة  
بمركز معمل الإستشارات الهندسية

#### Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (t)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm²)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.14	0.27	0.39	0.50	0.61	0.71

UnLoading (t)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm²)	2.50	1.25	0.625	0.01
Settlement (mm)	0.71	0.67	0.50	0.22

D (mm) =	600	S1 (mm) =	0.24	S2 (mm) =	0.52	ΔS =	0.28
Ev1 (kg/cm²) =	(0.75 * D * Δs) / ΔS						
	1607						

Loading (2)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm²)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.22	0.29	0.41	0.53	0.63	0.72

$$Ev2/Ev1 = 1.6$$

D (mm) =	600	S1 (mm) =	0.38	S2 (mm) =	0.66	ΔS =	0.28
Ev2 (kg/cm²) =	(0.75 * D * Δs) / ΔS						
	1607						

Ev1 = Modulus of deformation during the loading stage.

Ev2 = Modulus of deformation during the Reloading stage.

D = Plate diameter (mm)

Δs = The difference between S2 and S1 from the maximum loading (cmx) (kg/cm²)

ΔS = Difference in settlements corresponding to S2 and S1 from the maximum loading (mm)

Signature:   
مكتب معمل الإستشارات الهندسية  
3 شارع الملك الأفضل - القاهرة





د. محمد عبد الله عبد الله  
رئيس المكتب  
م. محمد عبد الله عبد الله  
م. محمد عبد الله عبد الله

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 17/01/2023  
report date : 18/01/2023  
Location : Station 388+250 to 388+300  
Test No. : 2

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

Data sheet

**Loading Stage (1)**

Loading	Stress Kg/cm2	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	19.82	0.18	19.83	0.17	19.83	0.17	0.17
2	0.83	19.70	0.30	19.71	0.29	19.71	0.29	0.29
3	1.25	19.58	0.42	19.51	0.49	19.57	0.43	0.45
4	1.67	19.37	0.63	19.41	0.59	19.43	0.57	0.60
5	2.08	19.25	0.75	19.28	0.72	19.32	0.68	0.72
6	2.50	19.14	0.86	19.18	0.82	19.21	0.79	0.82

**Unloading Stage (1)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	19.14	0.86	19.18	0.82	19.21	0.79	0.82
2	1.25	19.17	0.83	19.22	0.78	19.26	0.74	0.78
3	0.625	19.21	0.79	19.26	0.74	19.41	0.59	0.71
4	0.01	19.54	0.46	19.58	0.42	19.81	0.19	0.36

**Loading Stage (2)**

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.46	0.54	19.50	0.50	19.65	0.35	0.46
1	0.83	19.40	0.60	19.41	0.59	19.51	0.49	0.56
2	1.25	19.34	0.66	19.32	0.68	19.37	0.63	0.66
3	1.67	19.23	0.77	19.23	0.77	19.31	0.69	0.74
4	2.08	19.12	0.88	19.10	0.90	19.26	0.74	0.84
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#REF!

Signature

مكتب معامل الإستشارات الهندسية  
البرق القوي : ٢٧٣٦٧٢٣١ - ٢٧٣٦٧٢٣١





# CEL

**Consulting Engineering Bureau & Laboratories**  
مكتب معامل الاستشارات الهندسية

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg Al Arab to Alamein.  
Test Date : 17/01/2023  
report date : 18/01/2023  
Location : Station 388+250 to 388+309  
Test No. : 2

## Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (t)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm²)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.17	0.29	0.45	0.60	0.72	0.82

UnLoading (t)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm²)	2.50	1.25	0.625	0.01
Settlement (mm)	0.82	0.78	0.71	0.56

D (mm) =	600	S1 (mm) =	0.27	S2 (mm) =	0.62	ΔS =	0.35
Ev1 (kg/cm²) =	$(0.75 \cdot D \cdot \Delta \sigma) / \Delta S$		1286				

Loading (2)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm²)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.36	0.46	0.56	0.66	0.74	0.84

$$Ev2/Ev1 = 1.4$$

D (mm) =	600	S1 (mm) =	0.54	S2 (mm) =	0.76	ΔS =	0.22
Ev2 (kg/cm²) =	$(0.75 \cdot D \cdot \Delta \sigma) / \Delta S$		2045				

Ev1 = Modulus of deformation during the loading stage.  
Ev2 = Modulus of deformation during the Reloading stage.  
D = Plate diameter (mm)  
Δσ = The difference between 0.3 and 0.7 from the maximum loading (σmax) (kg/cm²)  
ΔS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)



3 El Malek El Afdal Street  
Zamalek, Cairo.  
Tel. & Fax : 27367231 - 27363093



ش الملك الأفضل  
الزمالك - القاهرة  
تليفون : فاكس : ٢٧٣٦٧٢٣١ - ٢٧٣٦٣٠٩٣  
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Contractor Company	Dream Way	Designer Company	SPECTRUM ENGINEER CONSULTING	Office	10:00 AM	Time	30/01/2023	(55-B-DW) (P.L.T.10)	10:00 AM	
Issued by Contractor	Eng. SAIED MOHAMMED	Date/Serial Number	30/01/2023	Time	10:00 AM	Time	30/01/2023	(55-B-DW) (P.L.T.10)	10:00 AM	
Received by GARB	Eng. MAZEN ESSAMY	MR	288	EW	CS	31	1	2023	10	0

SI 50 S21	SI to 53	For Reference point only Start Km is used	Work Activity	Sub Element of Activity
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Description of Materials		FERMA				
Location to be Used	REV.29	388+000	TO	388+383.86	388+200	
	REV.35	388+183.86		388+383.86		
Supplier Name	Cable - 150mm <sup>2</sup> - 10kV					
Test Requirement	P.L.T (DIN 18134)		Specification	SAFETYWORK SPECIFICATIONS & TESTING REPORT (05/23-41.3) VERSION 2 BY CHSECON GROUP		
Reference Photos	No/Yes		Other	55-B-DW-IR-S134 55-B-DW-QT(20-1)		
Item	Description	Unit	Quantity	Arrival Date	Note	
1	PLATE LOAD TEST	NUMBER	4	1/2/2023		
2						
3						
4						
Comments by: Eng. MAZEN ESSAMY (Inspector)						
Comments by: Eng. Alaa Abd-Allatif (ER)						
1-P.L.T was carried-out by third party lab (CEL).						
2-Results report attached and acceptable with project specifications.						
1-The Plate Load Test Result per (DIN 18134) is approved						
						



Organisation	Name	Sign	Date	A-AWC-A
Contractor	Eng. SAIED MOHAMMED			A
QA/QC	Eng. MAZEN ESSAMY			A
GARB	Eng. Margaret magdy			
Employers Representative	Eng. Alaa Abd-Allatif			A

Design:  
\*\* Agreement/Designs - Client only







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CEL  
3 El Malek El Afdal Street  
Zamalek, Cairo  
Tel & Fax : 27367231 - 27363093

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg El Arab to Alamein.  
Test Date : 31/01/2023  
report date : 01/02/2023  
Location : Station 388+000 to 388+050  
Test No. : 05

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

Data sheet

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	20.00	0.00
1	0.42	19.89	0.11	19.66	0.32	19.81	0.19	19.64	0.21
2	0.83	19.75	0.25	19.54	0.46	19.64	0.36	19.48	0.36
3	1.25	19.62	0.38	19.40	0.60	19.48	0.52	19.34	0.50
4	1.67	19.48	0.52	19.24	0.76	19.34	0.66	19.19	0.66
5	2.08	19.35	0.65	19.12	0.88	19.19	0.81	19.00	0.78
6	2.50	19.15	0.85	18.92	1.08	19.00	1.00	18.81	0.98

**Unloading Stage (1)**

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
1	2.50	19.15	0.85	18.92	1.08	19.00	1.00	18.81	0.98
2	1.25	19.24	0.76	19.01	0.88	19.00	0.92	18.81	0.80
3	0.625	19.42	0.58	19.20	0.80	19.26	0.74	19.00	0.71
4	0.01	19.72	0.28	19.53	0.47	19.59	0.41	19.34	0.39

**Loading Stage (2)**

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
0	0.42	19.64	0.36	19.41	0.59	19.47	0.53	19.34	0.49
1	0.83	19.52	0.48	19.29	0.71	19.34	0.66	19.19	0.62
2	1.25	19.40	0.60	19.17	0.83	19.21	0.79	19.00	0.74
3	1.67	19.37	0.63	19.07	0.93	19.10	0.90	18.81	0.82
4	2.08	19.27	0.73	18.92	1.08	19.02	0.98	18.81	0.93





Company Name  
Project  
Test Date  
Report date  
Location  
Test No.

: dream Way Co.  
: Electric Express Train, from Borg El Arab to Alamein.  
: 31/01/2023  
: 01/02/2023  
: Station 388+000 to 388+050  
: 05

Consulting Engineering Bureau & Laboratories

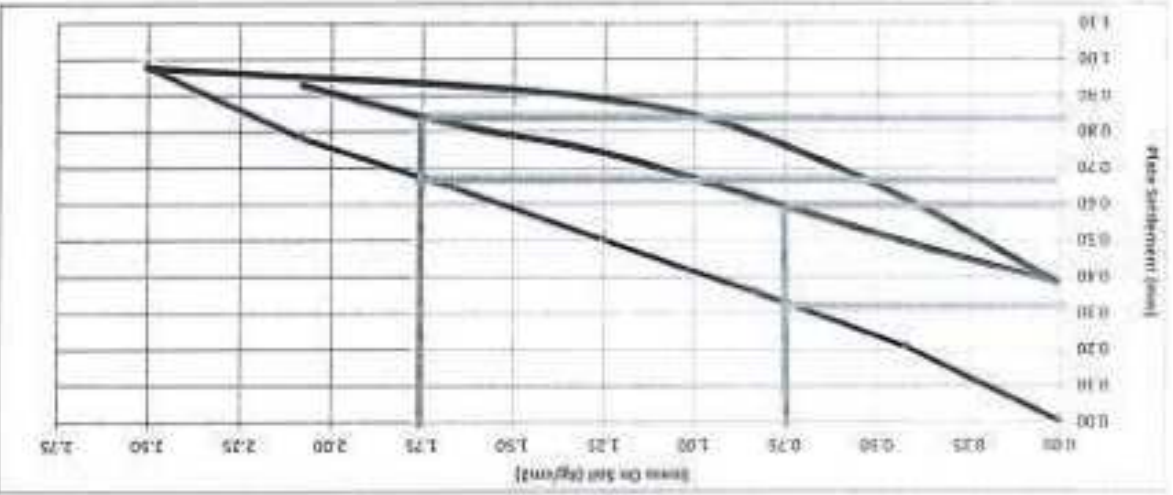
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CEL

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# Nonrepetitive Static Plate Load Tests of Soils

DIN 18134







Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
4	2.08	19.00	1.00	18.93	1.07	19.00	1.00	1.02	0.91
3	1.67	19.13	0.87	19.02	0.88	19.11	0.89	0.80	0.80
2	1.25	19.25	0.75	19.13	0.87	19.21	0.79	0.65	0.51
1	0.83	19.38	0.62	19.30	0.70	19.36	0.64	0.50	0.50
0	0.42	19.50	0.50	19.48	0.52	19.50	0.50	0.50	0.50

Loading Stage (2)

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
4	0.01	19.60	0.40	19.60	0.40	19.58	0.42	0.41	0.41
3	0.625	19.28	0.72	19.31	0.69	19.19	0.81	0.74	0.90
2	1.25	19.00	1.00	19.10	0.90	19.03	0.97	1.06	1.06
1	2.50	18.90	1.10	19.02	0.98	18.91	1.09	1.06	1.06

Unloading Stage (1)

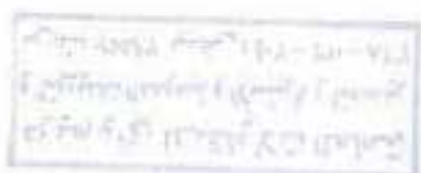
Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
6	2.50	18.90	1.10	18.02	0.98	18.91	1.09	1.06	1.06
5	2.08	19.04	0.96	19.22	0.78	19.04	0.96	0.90	0.90
4	1.67	19.20	0.80	19.40	0.60	19.21	0.79	0.73	0.73
3	1.25	19.38	0.62	19.37	0.43	19.35	0.65	0.57	0.57
2	0.83	19.60	0.40	19.71	0.29	19.50	0.50	0.40	0.40
1	0.42	19.78	0.22	19.84	0.16	19.69	0.31	0.23	0.23
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00	0.00

Unloading Stage (1)

Nonrepetitive Static Plate Load Tests of Soils  
DIN 18134

Data sheet

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg El Arab to Alamein.  
Test Date : 31/01/2023  
report date : 01/02/2023  
Location : Station 388+050 to 388+100  
Test No. : 06



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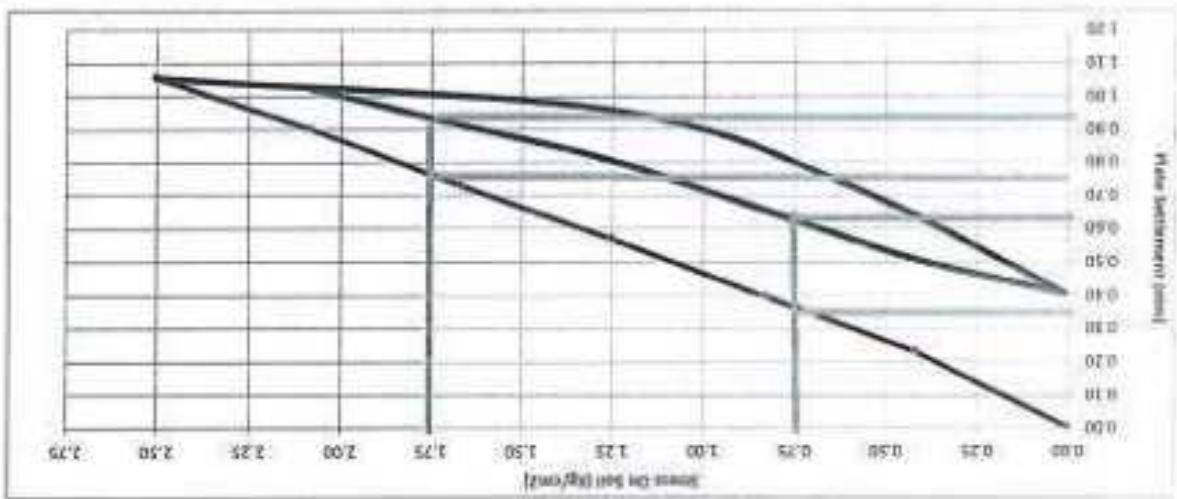


Company Name  
Project  
Test Date  
Report date  
Location  
Test No.

dream Way Co.  
Electric Express Train, from Borg El Arab to Alamein.  
31/01/2023  
01/02/2023  
Station 388+050 to 388+100  
06

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**Nonrepertive Static Load Tests of Soils  
DIN 18134**



Loading (t)	Stage(Kg)	Stress (Kg/cm²)	Settlement (mm)
0	0	0.00	0.00
1	1186.92	0.42	0.23
2	2345.6	0.83	0.40
3	3532.5	1.25	0.57
4	4719.4	1.67	0.73
5	5878.1	2.08	0.90
6	7065	2.50	1.06

Δs (mm)	Δs (mm)	Δs (mm)	Δs (mm)
0.35	0.35	0.75	0.40

Loading (t)	Stage(Kg)	Stress (Kg/cm²)	Settlement (mm)
0	0	0.01	0.41
1	1186.92	0.42	0.51
2	2345.6	0.83	0.65
3	3532.5	1.25	0.80
4	4719.4	1.67	0.91
5	5878.1	2.08	1.02

Δs (mm)	Δs (mm)	Δs (mm)	Δs (mm)
0.35	0.35	0.82	0.38

E1 = modulus of deformation during the loading stage.  
E2 = modulus of deformation during the unloading stage.  
E = modulus of deformation during the loading stage.  
Δs = Difference in settlement corresponding to 0.2 and 0.7 from the maximum loading (mm)  
Δs = Difference between 0.2 and 0.7 from the maximum loading (mm)  
Δs = Difference in settlement corresponding to 0.2 and 0.7 from the maximum loading (mm)







Loading	Stress	Kg/cm <sup>2</sup>	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
4	2.06	19.28	0.72	19.14	0.66	19.19	0.81	0.80	
3	1.67	19.39	0.61	19.25	0.75	19.30	0.70	0.69	
2	1.25	19.50	0.50	19.38	0.62	19.43	0.57	0.56	
1	0.83	19.61	0.39	19.49	0.51	19.51	0.49	0.46	
0	0.42	19.74	0.26	19.61	0.39	19.60	0.40	0.35	

Loading Stage (2)

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
4	-0.01	19.80	0.20	19.70	0.30	19.65	0.35	0.28	
3	0.625	19.50	0.50	19.47	0.53	19.33	0.67	0.57	
2	1.25	19.35	0.65	19.36	0.64	19.16	0.84	0.71	
1	2.50	19.28	0.72	19.25	0.75	19.10	0.90	0.79	

Unloading Stage (1)

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
6	2.50	19.28	0.72	19.25	0.75	19.10	0.90	0.79	
5	2.06	19.40	0.60	19.44	0.56	19.29	0.71	0.62	
4	1.67	19.51	0.49	19.58	0.42	19.40	0.60	0.50	
3	1.25	19.64	0.36	19.69	0.31	19.53	0.47	0.38	
2	0.83	19.75	0.25	19.70	0.30	19.65	0.35	0.30	
1	0.42	19.88	0.12	19.82	0.16	19.79	0.21	0.17	
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00	

Loading Stage (1)

Nonrepertive Static Plate Load Tests of Soils  
DIN 18134

Data sheet

Company Name : dream Way Co.  
Project : Electric Express Train, from Borg El Arab to Alamein.  
Test Date : 31/01/2023  
report date : 01/02/2023  
Location : Station 388+100 to 388+150  
Test No. : 07

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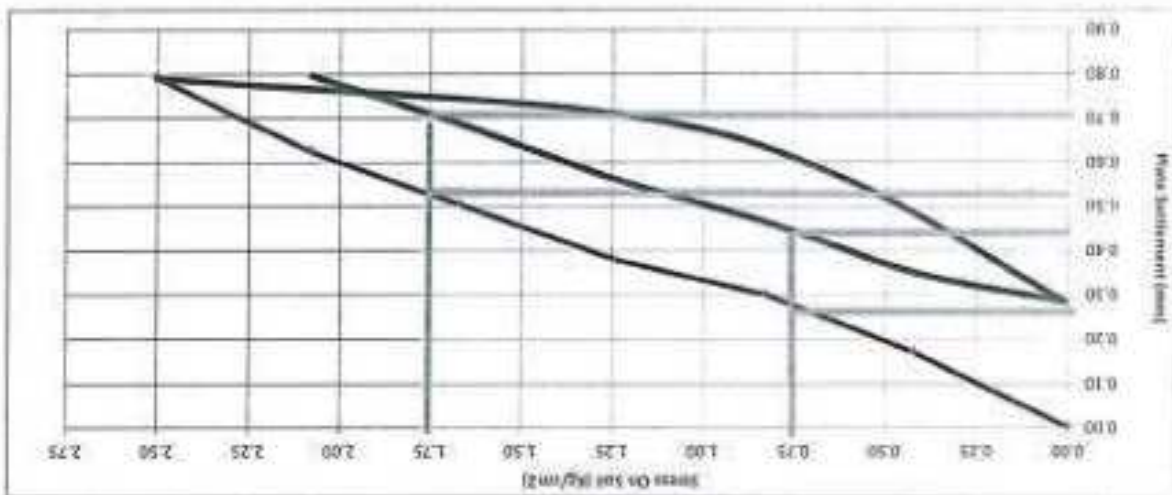
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Company Name  
Project  
Test Date  
Report date  
Location  
Test No.

dream Way Co.  
Electric Express Train, from Borg Al Arab to Alamein.  
31/01/2023  
01/02/2023  
Station 388+100 to 388+150  
07

**Nonrepertive Static Load Tests of Soils  
DIN 18134**



Loading (t)	0	1	2	3	4	5	6
Stage (Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (kg/cm²)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.17	0.30	0.38	0.50	0.62	0.79

D (mm) = 600	S1 (mm) = 0.27	S2 (mm) = 0.53	ΔS = 0.26
--------------	----------------	----------------	-----------

Loading (t)	0	1	2	3	4	5
Stage (Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (kg/cm²)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.28	0.35	0.46	0.56	0.69	0.80

D (mm) = 600	S1 (mm) = 0.44	S2 (mm) = 0.70	ΔS = 0.26
--------------	----------------	----------------	-----------

Ey1 = modulus of deformation during the loading stage.

Ey2 = modulus of deformation during the reloading stage.

D = Plate diameter (mm)

Oy = The difference between S2 and S1 from the maximum loading (mm)

OS = Difference in settlements corresponding to S2 and S1 from the maximum loading (mm)



Ey2/Ey1 = 1.0

Unloading (t)	1	2	3	4
Stage (Kg)	7065	3533	1768	0
Stress (kg/cm²)	2.50	1.25	0.625	0.01
Settlement (mm)	0.79	0.71	0.67	0.28



Company Name : dream Way Co.  
Project : Electric Express Train, from Berg Al Arab to Alamein.  
Test Date : 31/01/2023  
report date : 01/02/2023  
Location : Station 388+150 to 388+200  
Test No. : 08

**Nonrepetitive Static Plate Load Tests of Soils**  
**DIN 18134**

Data sheet

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
0	0.00	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.42	0.42	19.84	0.16	19.76	0.22	19.80	0.20	0.19
2	0.83	0.83	19.70	0.30	19.63	0.37	19.66	0.34	0.34
3	1.25	1.25	19.63	0.37	19.52	0.48	19.56	0.44	0.43
4	1.67	1.67	19.51	0.49	19.40	0.60	19.45	0.55	0.55
5	2.08	2.08	19.40	0.60	19.31	0.69	19.34	0.66	0.66
6	2.50	2.50	19.28	0.72	19.12	0.88	19.15	0.85	0.82

**Unloading Stage (1)**

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
1	2.50	2.50	19.28	0.72	19.12	0.88	19.15	0.85	0.82
2	1.25	1.25	19.32	0.68	19.16	0.82	19.20	0.80	0.77
3	0.625	0.625	19.44	0.56	19.29	0.71	19.38	0.62	0.63
4	0.01	0.01	19.75	0.25	19.60	0.40	19.71	0.29	0.31

**Loading Stage (2)**

Loading	Stress	Kg/cm <sup>2</sup>	Dial 1		Dial 2		Dial 3		Average
			Settlement	mm	Settlement	mm	Settlement	mm	
0	0.42	0.42	19.70	0.30	19.49	0.51	19.60	0.40	0.40
1	0.83	0.83	19.52	0.48	19.37	0.63	19.49	0.51	0.54
2	1.25	1.25	19.40	0.60	19.28	0.72	19.37	0.63	0.65
3	1.67	1.67	19.28	0.72	19.19	0.81	19.28	0.72	0.75
4	2.08	2.08	19.19	0.81	19.08	0.92	19.17	0.83	0.85



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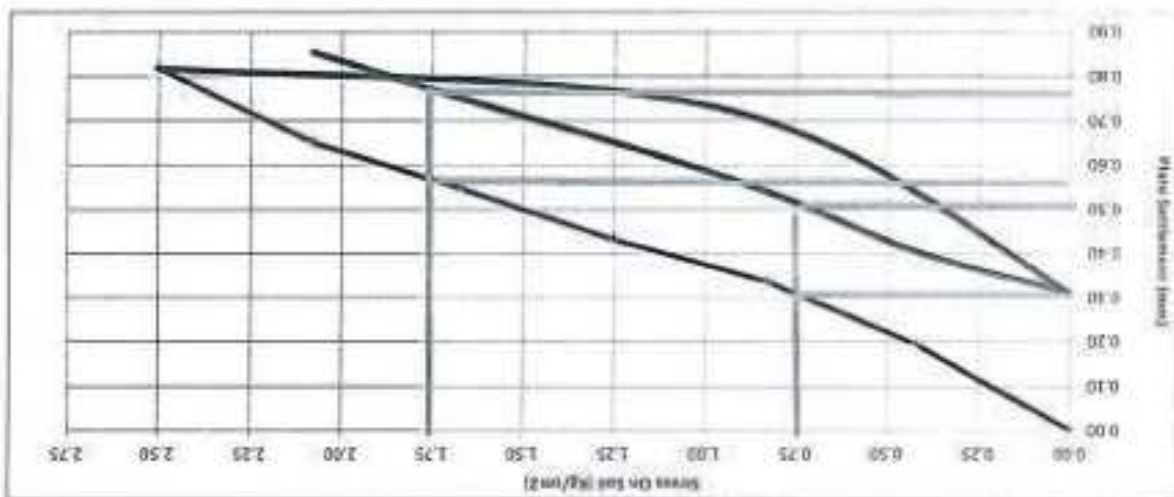


Company Name  
Project  
Test Date  
Report date  
Location  
Test no.

: dream Way Co.  
: Electric Express Train, from Berg Al Arab to Alamein.  
: 31/01/2023  
: 01/02/2023  
: Station 388+150 to 388+200  
: 08

مختبر مهندسي الاستشارات والمختبرات  
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**Nonrepetitive Static Load Tests of Soils  
DIN 18134**



Loading (t)	Stage (Kg)	Stress (Kg/cm²)	Settlement (mm)
0	0	0.00	0.00
1	186.92	0.42	0.19
2	2345.6	0.34	0.34
3	3532.5	1.25	0.43
4	4719.4	1.67	0.55
5	5878.1	2.06	0.65
6	7065	2.50	0.82

D (mm) =	51 (mm) =	52 (mm) =	55 =
600	0.02	0.58	0.24

D (mm) =	51 (mm) =	52 (mm) =	55 =
600	0.02	0.78	0.24

Loading (t)	Stage (Kg)	Stress (Kg/cm²)	Settlement (mm)
0	0	0.01	0.01
1	186.92	0.42	0.01
2	2345.6	0.83	0.01
3	3532.5	1.25	0.01
4	4719.4	1.67	0.01
5	5878.1	2.06	0.01

EV2/EV1 = 1.9



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MATERIAL APPROVAL REQUEST		   																			
Contractor Company	Dream way		Designer Company	SPECTRUM Engineering Consulting Office																	
Issued by Contractor	Name	Eng. Saeed Mohamed	Date/Serial Number	16/10/2022 (S5-B-DW) (Q.T-12-02)																	
	Sign		Time	1:00																	
Received by GARB CONSULTANT	Eng. Mazen Esamy		MAR	<table border="1"> <tr> <td>CS</td> <td>CS</td> <td>CS</td> <td>CS</td> </tr> <tr> <td>388</td> <td>EW</td> <td>CS</td> <td>17</td> </tr> </table>	CS	CS	CS	CS	388	EW	CS	17	<table border="1"> <tr> <td>km</td> <td>yr</td> <td>km</td> <td>km</td> </tr> <tr> <td>10</td> <td>2022</td> <td>1</td> <td>0</td> </tr> </table>	km	yr	km	km	10	2022	1	0
CS	CS	CS	CS																		
388	EW	CS	17																		
km	yr	km	km																		
10	2022	1	0																		
<table border="1"> <tr> <td>SDR-1</td> <td>S1 to S21</td> <td>D1 to S3</td> <td>Sp XXX Note</td> </tr> <tr> <td></td> <td>Station Reference</td> <td>Depth Reference</td> <td>For Kilometer point only Start Km is used</td> </tr> <tr> <td></td> <td colspan="3">Work Activity</td> </tr> <tr> <td></td> <td colspan="3">Sub Element of Activity</td> </tr> </table>	SDR-1	S1 to S21	D1 to S3	Sp XXX Note		Station Reference	Depth Reference	For Kilometer point only Start Km is used		Work Activity				Sub Element of Activity							
SDR-1	S1 to S21	D1 to S3	Sp XXX Note																		
	Station Reference	Depth Reference	For Kilometer point only Start Km is used																		
	Work Activity																				
	Sub Element of Activity																				
Description of Materials		Embankment																			
Location to be Used		المشور																			
Sample only	yes	Materials Type	Replacement																		
Supplier Name	EL-SEEWY	Data Sheet provided																			
Reference in BoQ		Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP																		
Prequalification reference		Test Samples Results																			
Reference Photos	No	Other																			
Comments by: Eng. Mazen Esamy (SPECTRUM) 1-Quality test Result By Site laboratory IS THIS SAMPLE REPRESENTATIVE (5000) M <sup>3</sup> ONLY 		Comments by: Eng. Alaa Abd-Allatif (ER) 1-All tests were carried-out by Site laboratory 2-Results report attached and acceptable with the project specifications.																			
<b>APPROVAL STATUS</b>																					
Organisation	Name	Sign	Date	A-AWC-R																	
Contractor	Eng. Saeed Mohamed		17/10/2022	A																	
QA/QC *	Eng. Mazen Esamy			f																	
GARB**	Eng. Margret																				
Employers Representative	Eng. Alaa Abd-Allatif			A																	

\* Designer  
\*\* Approver/Bridges, Culvert only





Electrical Express Train From Borg Al Arab to  
Alamein  
From Station 388+000 To Station 389+000

الهيئة العامة للنقل

Serial No.  
QT  
( 1-2 )



مكتب (أ) هندسة الجسور



Date  
17/ 10 /2022

### Material Inspection Request

We request your attendance to inspect the following works :

Discipline :

☐ Cut/Slope Protection

☐ Structures

☐ Drainage

☐ Surveys

Location :

Zone

VOLUME

DREAM WAY

5000 M3

References

Drawing: EET-BORG EL ARAB REV29 Plan Profile

Specification: EET LL.1 Earthworks Specifications and Testing Report

Purpose of the Inspection

1. Earthworks

- ☐ Natural Set Grade  
☐ Upper Embankment  
☐ L / H Embankment

- ☐ Run Slopes  
☐ Filled  
☐ Excavation

Attachments

1- Quality test report soil Material

Materials to be Inspected

Quality Test For Soil by site laboratory



Submitted by:

DREAM WAY

Signature:

*[Signature]*

Date of Inspection:-

GARP Consultant Engineer's Comments:

The quality test result by site laboratory is ok  
This sample representative 5000m<sup>3</sup> only.  
The contractor must send another sample to third party laboratory

The works are :

☒ Approved (A)

☐ Approved as Noted (B)

☐ Rejected Reason (C)

☐ Rejected (D)

Name:

Mazen Esawy

Signature:

*[Signature]*

Date:-

General Consultant's Comments:

for information only  
one sample was selected for Quality Test and carried out by Contractor and GARP consultants. Results attached found is ok.  
final approval is subjected to above mentioned comment.

The works are :

☒ Approved (A)

☐ Approved as Noted (B)

☐ Rejected Reason (C)

☐ Rejected (D)

Name:

Alaa Abdelhaleem

Signature:

*[Signature]*

Date:-

21/10/

GARP Engineer's Comments:

Name:

General Consultant Eng.

Signature:

GARP Eng.





الهيئة القومية للإسكان

Ministry of Housing



## Electrical Express Train From Borg Al arab to Alamein

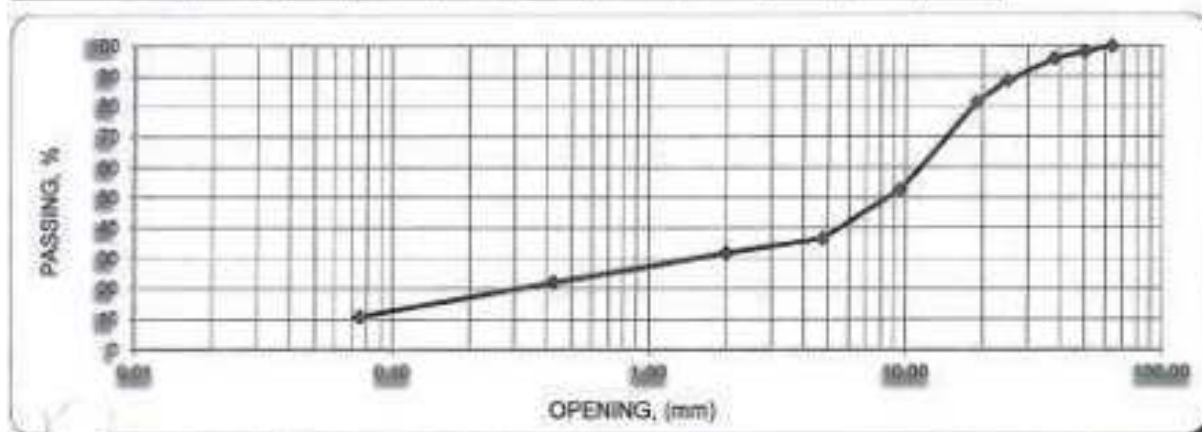
Company:	Dream Way	Sample No:	1
description:		Sample Date :	17/10/2022
Station Represented :	توريدات المحجر	Report Date:	17/10/2022

### SOIL CLASSIFICATION / ATTERBERGS LIMITS

(ASTM:D-424/ / AASHTO :T-90-80)

Source of Tested Material	
---------------------------	--

sieve No.	2.5 in.	2.0 in.	1.5 in.	1.0 in.	3/4 in.	3/8 in.	No.4	No.10	No.40	No.200
Opening (mm)	63.50	50.00	38.00	25.00	19.00	9.50	4.75	2.00	0.425	0.075
Passing, %	100.0	98.2	95.9	88.7	81.5	52.7	36.6	31.9	22.0	10.8



Atterberg Limits	L.L.	0.0	Max. 15	P.L.	0	P.I.	0.0	(Max. 6)
------------------	------	-----	---------	------	---	------	-----	----------

SOIL CLASSIFICATION :	A-1-A	عديمه اللونه
-----------------------	-------	--------------

GARP Consultant Engineer's Comments :

-----

-----

Lab Contractor Eng.:-

*[Signature]*

Spectrum Consultant Eng.:-

*[Signature]*





Electrical Express Train From BORG ALARP City to EL ALAMEIN

## Laboratory Compaction Characteristics (Proctor) of Soil Sample

ASTM D 1557 - Method "C" 6 in. mold, 5 equal layers, each compacted by 56 blows  
Using 10 lb. rammer dropped from 18 in. high, Producing a compactive effort of 56000 ft-lb/ft<sup>3</sup>

Sampling Date : 16-10-2022

Testing Date :

15/10/2022

Source of Soil

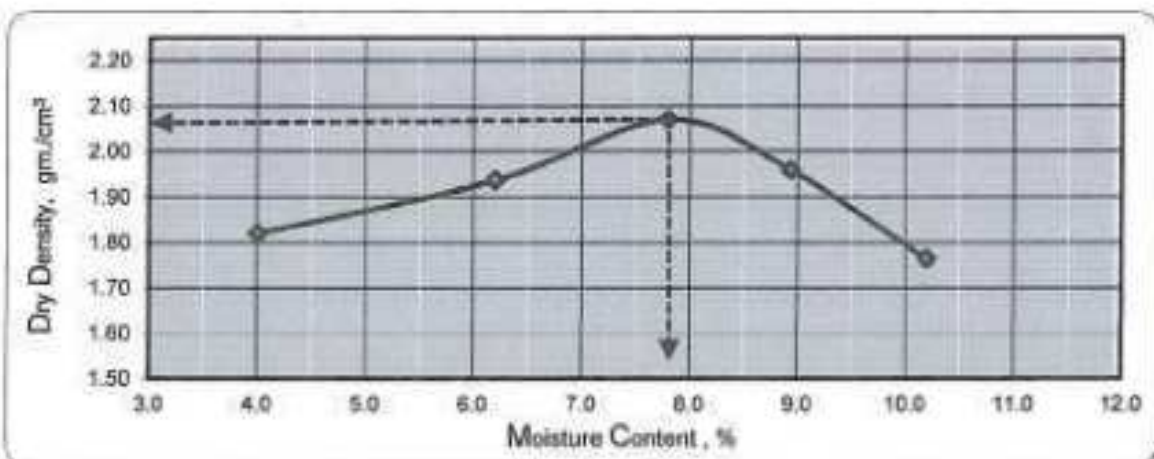
توريدات المحجر

Classification, according to AASHTO M145

A-1-a

Weight of PROCTOR Mould, gm	6365	Volume of PROCTOR Mould, cm <sup>3</sup>	2225
-----------------------------	------	--	------

Point No.	1	2	3	4	5
Weight of Soil + Mould, gm	10,576	10,941	11,332	11,113	10,589
Wet Density, gm/cm <sup>3</sup>	1.893	2.057	2.232	2.134	1.945
Weight of Wet Soil Portion, gm	150.0	150.0	150.0	150.0	150.0
Weight after Drying, gm	144.0	140.7	138.3	136.6	134.7
Moisture Content, %	4.0	6.2	7.8	8.9	10.2
Dry Density, gm/cm <sup>3</sup>	1.820	1.937	2.071	1.959	1.763



Max. Dry Density =

2.071 gm/cm<sup>3</sup>

Optimum Moisture Content = 7.8%

CONSULTANT COMMENTS

A.C. Lab contractor Eng.:-

Name :-

Signature :-

spectrum Q.C Consultant Eng.:-

Name :-

Signature :-





Electrical Express Train from BORG ALARP city to EL ALAMIN

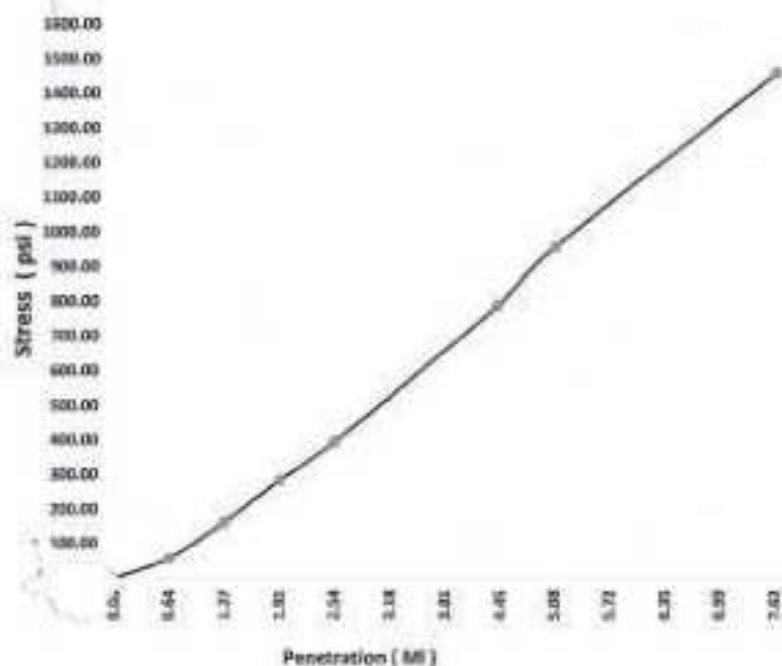
**CBR (CALIFORNIA BEARING RATIO) of LABORATORY-COMPACTED SOILS**  
Ref : ASTM D 1883 & D 1557 — AASHTO T-180 (Method D) & AASHTO T-193

SAMPLING DATE : 17/8/2022 TEST DATE : 20/10/2022 STATION : دريم واي

DENSITY DETERMINATION		MOISTURE CONTENT		Swell	
Proctor Density	2.071	Moisture Content %	7.8	Swell Percent %	0.7

**Results of ( 65 ) Blows after Soaking for 4 days**

PENETRATION vs. UNIT Load (STRESS ) CURVE (65 blows)



Penetration (mm)	Penetration (in.)	Reading (0.01 ml)	Stress (psi)
0.000	0.000	0	0.00
0.640	0.025	25	57.46
1.270	0.050	50	162.77
1.910	0.075	75	283.28
2.540	0.100	100	394.38
4.400	0.175	125	786.55
5.080	0.200	150	958.08
7.620	0.300	175	1458.08

CBR , % at 0.1 in. Penetration	29.00	CBR , % at 0.2 in. Penetration	47.00
Corrected CBR , % at 0.1 in. Penetration		Corrected CBR , % at 0.2 in. Penetration	



Lab coordinator Eng :-

ame :-

Signature :-

SGAC Q.C Consultant Eng :-

Name :-






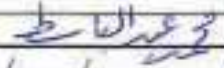

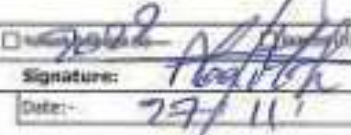
Signature :-



MATERIAL APPROVAL REQUEST		DREAM WAY		إمارة أبوظبي الطرق والكباري (GARB)		إمارة دبي الطرق والكباري (GARB)		إمارة الشارقة الطرق والكباري (GARB)		إمارةAjman الطرق والكباري (GARB)		إمارةRas Al Khaima الطرق والكباري (GARB)	
Contractor Company	Dream way			Designer Company	(SPECTRUM) Engineering Consulting Office								
Issued by Contractor	Name	Eng. Saeed Mohamed			Date/Serial Number	16/11/2022 (S5-B-DW) (Q.T-15-01)							
	Time	1:00											
Received by GARB CONSULTANT	Eng. Mazen Esamy	MAR			288	EW	CS	17	11	2022	1	0	
CONT-1	S1 to S21			D1 to S3			Rp XXX Note						
	Station Reference			Segment Reference			For Kilometer point only Start Km is used						
WORK-1	Work Activity												
WORK-2	Sub Element of Activity												
Description of Materials		Embankment											
Location to be Used		المشروع											
Sample only	yes		Materials Type		Replacement								
Supplier Name	EL-SEEWY		Data Sheet provided										
Reference in BoQ			Specification		EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP								
Prequalification reference			Test Samples Results										
Reference Photos	No		Other										
Comments by: Eng. Mazen Esamy (SPECTRUM) 1-Quality test Result By THIRD PARTY LABORATORY IS THIS SAMPLE REPRESENTATIVE (5000) M³ ONLY					Comments by: Eng. Alaa Abd-Allatif (ER) 1-All tests were carried-out by Third party Laboratory (COMIBASSAL) 2-Results report attached and acceptable with the project specifications.								
APPROVAL STATUS													
Organisation	Name		Sign		Date		A-AWC-R						
Contractor	Eng. Saeed Mohamed		[Signature]		17/11/2022		A						
QA/QC *	Eng. Mazen Esamy		[Signature]				P						
GARB**	Eng. Margrét		[Signature]										
Employers Representative	Eng. Alaa Abd-Allatif		[Signature]				A						

\* Designer  
\*\* Alignment/Bridges/Culvert only



Contractor		<b>Electrical Express Train From Berg Alarab to Alamein</b> From Station 388+000 To Station 389+000	الهيئة العامة للإقانة 	Serial No. <b>QT (7-2)</b>
		مكتب أدر حصاد النيل 	Date <b>17/11/2022</b>	
	<b>Material Inspection Request</b>			
	We request your attendance to inspect the following works :			
Discipline : <input type="checkbox"/> Drainage Protection <input type="checkbox"/> Structure <input type="checkbox"/> Drainage <input type="checkbox"/> Bridge				
Location :		Zone <b>DREAM WAY</b>	Volume <b>20000 m3</b>	
References		Drawing: EET-BORG EL ARAB REV20 Plan Profile	Specification: EET L1.1 Earthworks Specifications and Testing Report	
Purpose of the Inspection 1. Earthworks				
<input type="checkbox"/> Natural Sub Grade <input type="checkbox"/> Sub Filled <input type="checkbox"/> Upper Embankment <input type="checkbox"/> Slope <input checked="" type="checkbox"/> L / H Embankment <input type="checkbox"/> Excavation				
Attachments 1-quality test report soil material				
				
Materials to be Inspected		Quality Test For Soil by comibassal		
Submitted by:		<b>DREAM WAY</b>	Signature: 	
SARP Consultant Engineer's Comments:		Date of Inspection: -		
The quality Test Results by Third Party Lab Comibassal is ok. This sample Representitive from m <sup>3</sup> only.				
The works are : <input type="checkbox"/> Approved (A) <input type="checkbox"/> Approved as Noted (B) <input type="checkbox"/> Revised Resubmit (C) <input type="checkbox"/> Rejected (D)				
Name: <b>Maron Emami</b>		Signature: 		
General Consultant's Comments:		Date: -		
1- one sample was selected for Quality Test. 2- Quality Test was carried out by Third Party Comibassal. 3- Results attached found acceptable and completely with project. 4- final approval is subjected to above mentioned comment.				
Name: <b>Alaa Abdelkhalaf</b>		Signature: 		
SARP Engineer's Comments:		Date: <b>27/11</b>		
Name:		Signature:		
General Consultant Eng.		SARP Eng.		

Consultants





# COMIBASSAL International Controllers

حاصلة على شهادة الأيزو ISO 9001:2015

Accredited by:

Egyptian General Authority for Petroleum  
Under No.: 34/29.11.2011

قطاع التفتيش الداخلى والمعامل

معتمد لدى الهيئة المصرية العامة للبترول  
تحت رقم ٢٠١١/١١-٢٩/٢٤

## PARTICLE SIZE DISTRIBUTION ANALYSIS

ASTM C136 & AASHTO T27- (Drying Samples)

PROJECT:

Electric Express Train

DATE: 17/11/2022

General Consultant :- SYSTRA

Consultant :- SPECTRUM

CONTRACTOR: شركة تريم واي

Material / Source of Soil :- Filling Soil.

LAB. REF. Q.C. 1728/1



CLAY and SILT (Fines)		SAND			GRAVEL	COBBLES
1.0		12.0			87.0	
SAMPLE No.	DEPTH (m)	MOISTURE (%)	LL (%)	PI (%)	CLASS	SOIL DESCRIPTION
Filling Soil.			26.0	1.8	A-1-a (0)	Well graded Gravel (GW)
D10= 2.80	D30= 12.0 D60= 23.0	Cu = D60/D10= 8.21 Cc = (D30) <sup>2</sup> /(D10*D60)= 2.24				
Remarks:	AASHTO (T87) SOIL CALSSIFICATION SYSTEM - A-1-a (0) Stone Fragments, Gravel and Sand.					
Soil Classification:	ASTM (D421) SOIL CALSSIFICATION SYSTEM - Well-graded Gravel (GW)					

Tested By : Mostfa

Checked By : Eng. Eman E. Kandil

Eman





# COMIBASSAL International Controllers

الجمعية التعاونية لخدمات الأعمال الدولية (كوميباسال)

حاصلة على شهادة الأيزو ISO 9001:2008

Accredited by:

Egyptian General Authority for Petroleum  
Under No: 34/29.11.2011

قطاع التفتيش الداخلي والمعامل

معتمد لدى الهيئة المصرية العامة للتقنين  
تحت رقم ٢٤ / ٢٩ / ١١ / ٢٠١١

Report : 1728/2/Center  
Date : 27/11/2022

## Report Of Liquid limit and Plastic Limit Test ASTM- D 4318

General Consultant :

Consultant :

Contractor :

Project :

Sample :

Date of Test :

SYSTRA

SPECTRUM

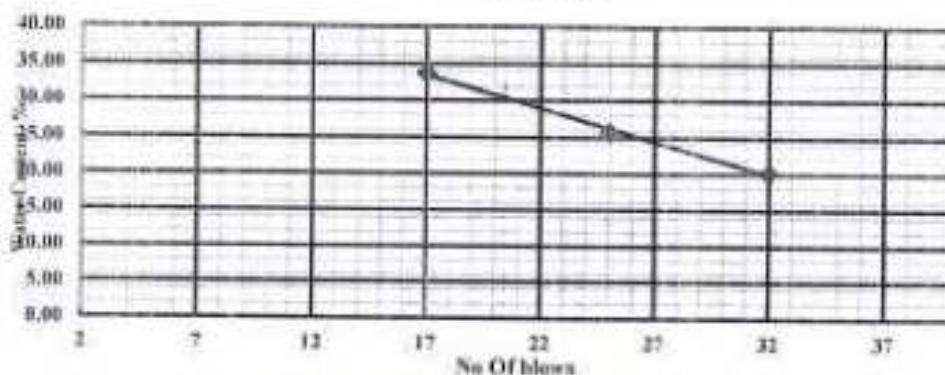
شركة ايم واي

Electric express train

Filling Soil

17/11/2022

### Results



No. of blows	32	25	17
Wt. before drying	44.7	45.9	44
Wt. after drying	37.2	36.5	32.9
Water Content %	20.2	25.8	33.7
(A) . L.L at blow no.25 = 26.0%			

WL before drying	5.7	5.3	5.9
Wt. after drying	4.6	4.3	4.7
Water Content %	23.9	23.3	25.5
(B) . P.L = 24.2%			

Pi = (A-B) =	1.8%
--------------	------



Civil Eng Department.

Eng. Eman. E. Kandil

الإدارة: منشىء زغلول - الإسكندرية - ب. ١٥٧

ت. ٤٨٧٠٥٧٢ - ف. ٤٨٧٠٦٦٥ - ٤٨٧٠٦٦٥

40safia zaghioul st., p.o.Box 157 Alex, Egypt  
Tel:4870573 - Fax + Tel : 4869798 - 4870665



القطاع: خلف ١٩ طريق الحرية - الإسكندرية - مصر

ت. ٣٩٢٠١٧٩ - ٣٩٢١٤٨٢ - ف. ٣٩٠٠٤٧٦

49 EL Horria Ave., Alex, Egypt  
Tel: 3920176 - 3931482 - Fax: 3900476  
E-mail : internal - inspection@comibassal.com





## COMIBASSAL International Controllers

الجمعية العامة للتحريات الجيوتقنية لأعمال الوزن والمراجعة والتجربة الدولية (كوميباسال)

حاصلة على شهادة الأيزو ISO 9001:2008

Accredited by:

Egyptian General Authority for Petroleum  
Under No: 34/29.11.2011

قطاع التفتيش الداخلي والمعامل

معتمد لدى الهيئة المصرية العامة للبترول  
تحت رقم ٣٤/٢٩-١١-٢٠١١

Report No. : 1728 - 3 - center

Date : 27/11/2022

### Proctor Test Report

#### ASTM - D 698

General consultant :

Consultant :

Contractor :

Project :

Sample :

Date of Test :

SYSTRA

SPECTRUM

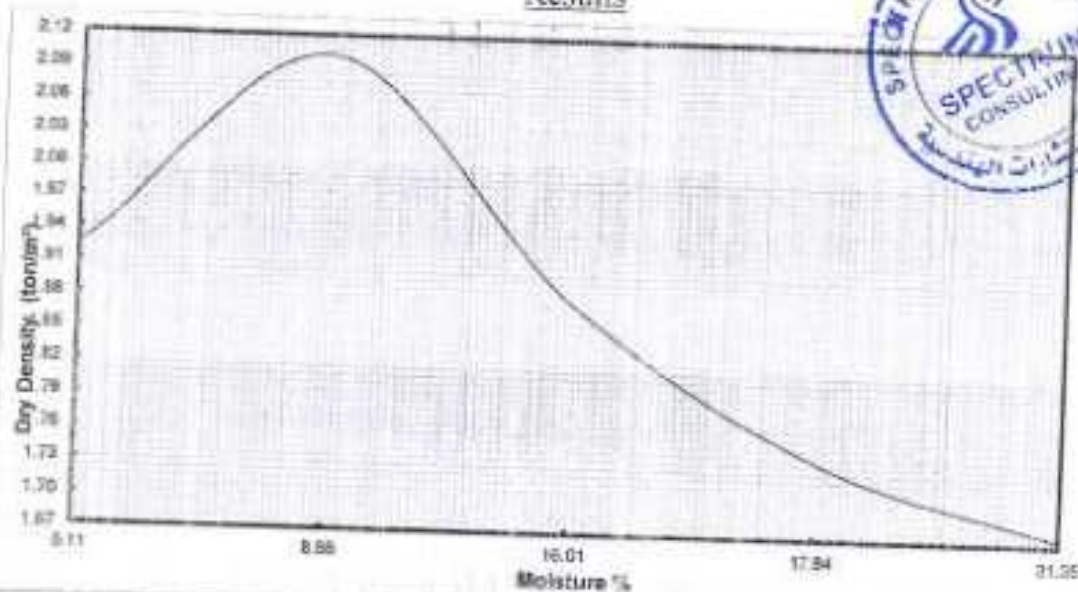
شركة نريم واى

Electric express train

Filling Soil

17/11/2022

#### Results



moisture content (%)	5.11	8.56	16.01	17.84	21.35
Dry Density (ton/m³)	1.92	2.10	1.88	1.74	1.67
Max. Dry Density (ton/m³)	2.10				
optimum moisture cont. (%)	8.56				

Civil. Eng Department

Eng : Eman. E. Kandil

الإدارة: أش صافية زاملول - الإسكندرية - مصر

ت ٤٨٧٠٥٧٢ - ف ٤٨٧٠٦٦٥ - ٤٨٧٠٦٦٦

40safia zaghloul st., p.o.Box 157 Alex, Egypt

Tel:4870573 - Fax + Tel : 4869798 - 4870665



القطاع: خلف ٤٩ طريق الحرية - الإسكندرية - مصر

ت ٣٩٠٠٤٧٦ - ٣٩٣١٤٨٢ - ٣٩٣١٤٨٢

49 EL Horria Ave. - Alex, Egypt

Tel: 3920176 - 3931482 - Fax: 3900476

E-mail: internal - inspection@comibassal.com





## COMIBASSAL International Controllers

الجمعية الدولية للتحكم في الأعمال الوزن والمراجعة والمطابقة الدولية (كوميباسال)

حاصلة على شهادة الأيزو ISO 9001:2008

Accredited by:

Egyptian General Authority for Petroleum  
Under No.: 34/29.11.2011

قطاع التفتيش الداخلي والمعامل

معتمد لدى الهيئة المصرية العامة للبترول  
تحت رقم ٢٩/١١-٢٠١١

Report no : 1728 / 4 / center  
Date : 27 / 11 / 2022

### Report Of C.B.R TEST ASTM - D 1883

General Consultant :

Consultant :

Contractor :

Project :

Sample :

Date of Test :

SYSTRA

SPECTRUM

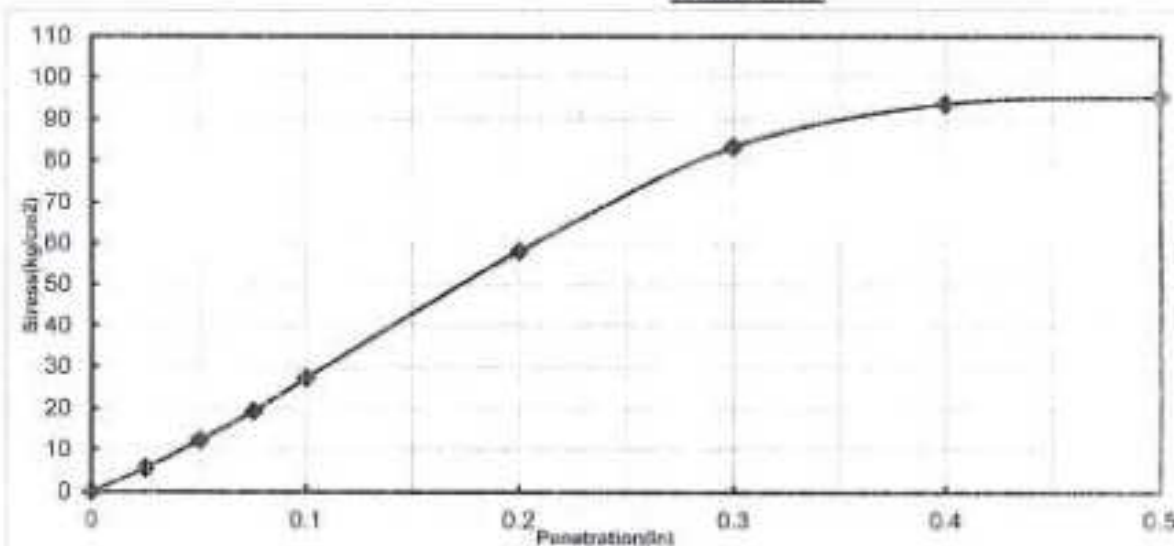
شركة تريم واي

Electric express train

Filling Soil

21/11/2022

### RESULTS



Penetration (inch)	0	0.025	0.05	0.075	0.1	0.2	0.3	0.4
stress ( 1 st phase) (kg/cm²)	0	6.032	14.82	21.84	26.52	52	78.26	91.26
stress ( 2nd phase) (kg/cm²)	0	5.2	9.62	16.94	28.00	64.22	88.4	96.2
Average stress ( kg/cm² )	0	5.616	12.22	19.3882	27.3	58.11	83.33	93.75

C.B.R = 55.0 %



Civil Eng. Department.

*Eman*  
Eng : Eman E. Kandil

الإدارة: ١٥٧ شارع سفية زغلول - الإسكندرية - مصر

ت. ٤٨٧-٥٧٢ - فاكس: ٤٨٧٩٩٩ - ٤٨٧-٦٦٥

40safia zaghloul st., p.o.Box 157 Alex, Egypt

Tel: 4870573 - Fax + Tel : 4869798 - 4870665



القطاع: خلف ٤٩ طريق الحرية - الاسكندرية - مصر

ت. ٣٩٠-١٧٦ - ٣٩١-٤٨٢ - فاكس: ٣٩٠-١٧٦

49 EL Horria Ave. - Alex, Egypt

Tel: 3920176 - 3931482 - Fax: 3900478

E-mail : internal - inspection@comibassal.com



MATERIAL APPROVAL REQUEST									
     									
Contractor Company		Dream way		Designer Company		(SPECTRUM) Engineering Consulting Office		Time	
Issued by		Eng. Saeed Mohamed		Date/Serial Number		18/11/2022		1:00	
Received by Client		Eng. Mazen Esamy		Date/Serial Number		(S5-B-DW) (Q.T-16-01)		1:00	
Station Reference		S1 to S21		Report Reference		DS to S3		eg. KCC Note	
Work Activity				Sub Element of Activity					
Description of Materials		Embankment		Location to be Used		Oyala			
Sample only		yes		Materials Type		Replacement			
Supplier Name		EL-SEEWY		Data Sheet provided					
Reference in BoQ				Specification		EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP			
Pregualification reference				Test Samples Results					
Reference Photos		No		Other					
Comments by: Eng. Mazen Esamy (SPECTRUM)		<p>1- Quality test Result By THIRD PARTY LABORATORY (SPECTRUM)</p> <p>2- Results report attached and acceptable with the project specifications.</p> <p>(COMIBASSAL)</p> <p>1- All tests were carried-out by Third party Laboratory</p> <p>Comments by: Eng. Alaa Abd-Allah (EN)</p>							
APPROVAL STATUS									
Organisation		Name		Sign		Date		A-AWC-R	
Contractor		Eng. Saeed Mohamed		Sign		19/11/2022		A	
QA/QC		Eng. Mazen Esamy		Sign				f	
GARB		Eng. Margret		Sign					
Employers Representative		Eng. Alaa Abd-Allah		Sign				A	



 From Station 388+000 To Station 389+000 Alameda Electrical Express Train From Berg Alameda to				Date 19/11/2022
<b>Material Inspection Request</b>				
We request your attendance to inspect the following works:				
Description: <input type="checkbox"/> Section Excavation <input type="checkbox"/> Section <input type="checkbox"/> Outcrop <input type="checkbox"/> Driveway				
Location: <b>DREAM WAY</b>		Zone: <b>25000 m3</b>		
Reference: <b>Drawing: EET-BORG EL ARAB NEV29 Plan Profile</b>		Specification: <b>EET 1.1 Earthwork Specifications and Testing Report</b>		
Purpose of the Inspection: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> 1. Earthwork  <input type="checkbox"/> 2. Subgrade  <input type="checkbox"/> 3. Slope  <input type="checkbox"/> 4. Retention         </div> <div> <input type="checkbox"/> 5. Foundation  <input type="checkbox"/> 6. Other         </div> </div>				
Attachments:				
1-quality test report and material				
5-				
Materials to be inspected: <b>Quality Test For Soil by compaction</b>				
Submitted by: <b>DREAM WAY</b>				
Signature: <b>B. Williams</b>				
Date of Inspection:				
The Quality Test Results is ok and was by third party lab (Comibased).				
This Sample Representative for only 5000m3.				
Name: <b>Naren Emory</b>				
Signature:				
The works are:				
General Consultant's Comments:				
Name: <b>Has Hodeh</b>				
Signature:				
Date:				
General Consultant Eng.				
Name:				
Signature:				
Date:				

(4) Final approval is subjected to above mentioned consultant.  
 (3) Result attached found acceptable and comply with project.  
 (2) Quality Test was carried out by third party lab Comibased.

one sample was selected for Quality Test.  
 The Quality Test Results is ok and was by third party lab (Comibased).  
 This Sample Representative for only 5000m3.





checked by: Eng. Erman E. Kandil

ASTM (D421) SOIL CLASSIFICATION SYSTEM -	100% (100%) Graded GRAVEL with Sand (GP)
AASHTO (T87) SOIL CLASSIFICATION SYSTEM -	A-1-1 (0) Stone fragments, Gravel and Sand.

$D_{30} = 5.2$	$C_u = D_{60}/D_{10} =$
$D_{60} = 15.0$	$C_c = (D_{30})^2/(D_{10} \cdot D_{60}) =$

5684

With Sand (GP)

MOISTURE (%)

MOISTURE (%)

PI (%)
--------

22

SOIL DESCRIPTION

**12**

0.74

0.71

SAND

GRAVEL

CORRELATES



### Filling Soil

CONSULTANT: SPECTRUM

Electric Express Train

ASTM C136 &amp; AASHTO T27 - (Drying Samples)

Under No. 34211201

ISO 9001:2015

2000-2001/2002

COMIBASSAL International Controllers







# COMIBASSAL International Controllers

الهيئة العامة للغذاء والدواء المصرية (MSE) (Ministry of Health)

ISO 9001:2008 معتمد على الجودة

Accredited by:  
Egyptian General Authority for Petroleum  
Under No.34/29.11.2011

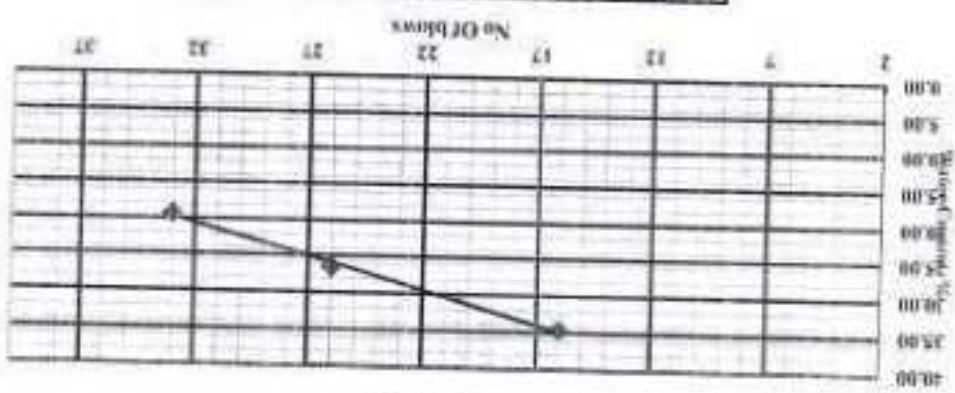
قطاع البترول والغاز الطبيعي  
مكتب البترول والغاز الطبيعي  
رقم ٢٤ / ٢٣ - ١١ / ٢٠١١

Report : 1729/2/Center  
Date : 27/11/2022

## Report Of Liquid limit and Plastic Limit Test ASTM-D 4318

General Consultant : SYSTHA  
SPECTRUM  
Contractor : شركة سواي  
Project : Electric express train  
Sample : Filling Soil  
Date of Test : 19/11/2022

### Results



(A) - L.L. at blow no.25 = 27.0%			
No. of blows	Wt. before drying	Wt. after drying	Water Content %
33	45.1	37.8	19.3
26	44.8	35.4	26.6
16	43.5	32.3	34.7

(B) - P.L. = 24.8%			
Wt. before drying	Wt. after drying	Water Content %	(B) - P.L. =
5.8	4.7	23.4	24.8%
5.9	4.3	25.6	

$$PI = (A-B) = 2.2\%$$



Eng. E. Kandil  
Chief Eng. Department



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ISO 9001:2008  
Accredited by:  
Egyptian General Authority for Petroleum  
Under No: 34/29.11.2011

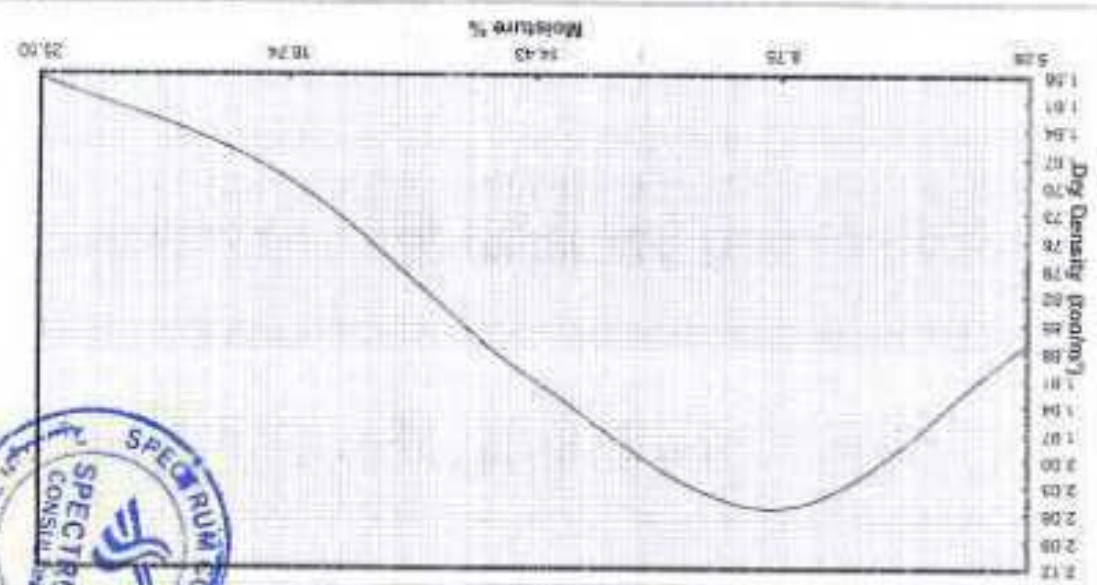
قطاع البترول والغاز الطبيعي  
مجلس إدارة البترول والغاز الطبيعي  
رقم ٢٤ / ١١٠٩٩ / ٢٠١١

Report No. : 1729 - 3 - center  
Date : 27/11/2022

**Proctor Test Report**  
**ASTM - D 698**

General consultant : SYSTRA  
Consultant : SPECTRUM  
Contractor : شركة تريم واي  
Project : Electric express train  
Sample : Filling Soil  
Date of Test : 19/11/2022

**Results**



moisture content (%)	5.86	8.75	14.43	18.74	25.50
Dry Density (ton/m³)	1.87	2.05	1.91	1.69	1.58
Max. Dry Density (ton/m³)	2.05				
optimum moisture cont. (%)	8.75				



Civil. Eng Department  
Eng : Eman E. Kandil  
Eman





# COMBASSAL International Controllers

ISO 9001:2008  
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 مصر على شهادة الأيزو 9001:2008  
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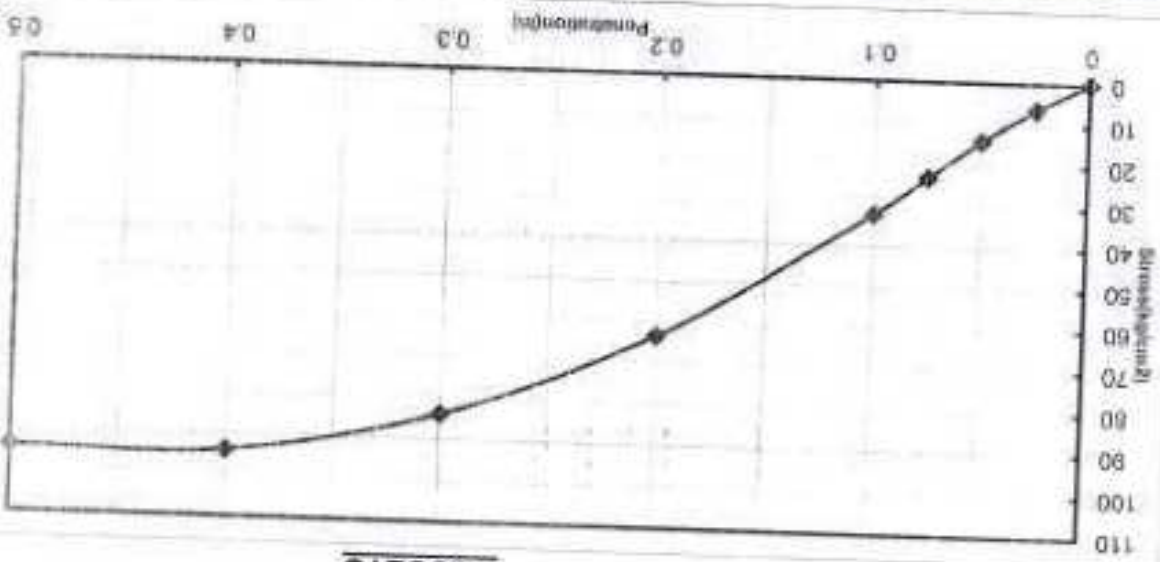
Report no : 1729 / 4 / center  
 Date : 27 / 11 / 2022

## Report Of C.B.R TEST ASTM - D 1883

General Consultant :  
 Contractor :  
 Project :  
 Sample :  
 Date of Test :

### RESULTS

SYSTRA  
 SPECTRUM  
 شركة سبكتروم  
 Electric express train  
 Filling Soil  
 23/11/2022



Penetration (inches)	0	0.025	0.05	0.075	0.1	0.15	0.2	0.25	0.3	0.35	0.4
average stress (kg/cm²)	0	7.384	17.84	25.74	32.968	42	76.44	86.72	91.26	83.86	80.99
stress (1st phase) (kg/cm²)	0	0	0	0	0	0	0	0	0	0	0
stress (2nd phase) (kg/cm²)	0	0	0	0	0	0	0	0	0	0	0
Average stress (kg/cm²)	0	0	0	0	0	0	0	0	0	0	0

C.B.R = 80.4 %



Civil Eng. Department  
 Eng : Eman E. Kandil  
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## التقييم الفني

الهيئة العامة  
للمرور والكباري  
(GAARD)



مشروع : اعمال الجسر الترابي والاعمال الصناعية لمشروع القطار الكهربائي السريع  
(العين السخنة -العاصمة الادارية -العلمين -مطروح) قطاع غرب النيل لتنفيذ المسافة من  
الكم 388+000 الى الكم 389+000 بطول 1 كم إتجاه استكمال النجيلة .

تنفيذ : شركة دريم واي للمقاولات العامة .

إشراف : المنطقة الخامسة قطاع غرب الدلتا

### الحسابات المالية ومفصل التقييم وقيمة الخصومات:

أنه في يوم الثلاثاء الموافق 2024/03/5 وبناء على القرار الإداري 121 بتاريخ 2022/9/14 الصادر  
من السيد صعيد مهندس رئيس الإدارة المركزية / منطقة غرب الدلتا ومحضر الاستلام الإبتدائي للعملية  
المؤرخ في 2023/06/06 تم عمل التقييم الفني للعملية عليه.  
وقد اجتمعت اللجنة المشكلة من كلا من:

(رئيساً للجنة)	مدير عام المشروعات	1) المهندس/ محمد حسني فياض
(عضواً)	ممثل الهيئة	2) المهندس/مارجريت مجدي
(عضواً)	ممثل المنطقة المشرفة	3) المهندس/عبدالله عبدالمحسن
(عضواً)	مكتب: سبكتروم ( د. عماد نبيل ) استشاري الهيئة	4) المهندس /مازن عصامي
(عضواً)	مكتب ( اكس واي زد) استشاري المساحة بالمشروع	5) المهندس/محمد خليل
(عضواً)	الشركة المنفذة دريم واي للمقاولات العامة	6) المهندس/ السعيد محمد







قائمة الكميات الواردة بالمستخلص التالي

مشروع : أسناد أعمال الجسر الترابي والأعمال الصناعية لمشروع القطار الكهربائي السريع (العين السخنة - مطروح) لتنفيذ أعمال الجسر الترابي (قطاع برج العرب - العلمين) المسافة من الكم 388+000 إلى الكم 389+000 بطول 1 كيلو متر استكمال إنجاء النجيلة.

رقم البند و بيانه : (1-3) بالمتر المكعب أعمال توريد وتشغيل ترية صالحة للردم ومطابقة للمواصفات والتشغيل باستخدام آلات التسوية بسمك لا يزيد عن 50 سم حتى مسسوب (-2.00 متر) وبسمك لا يزيد عن 25 سم لاستكمال المنسوب التصميمي لتشكيل الجسر الترابي والاكتاف (نسبة تحمل كاليفورنيا لا تقل عن 15%) ورشها بالماء الاصلوية للوصول إلى نسبة الرطوبة المطلوبة والدمك الجيد بالهراسات للوصول إلى أقصى كثافة جافة (95% من الكثافة الجافة القصوى) ويتم التنفيذ طبقاً للمناسيب التصميمية والقطاعات العرضية النموذجية والرسومات التنفيذية المعتمدة والبند بجميع مشتملاته طبقاً لاصول الصناعة ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف .

قائمة الأعمال عن شهر ديسمبر طبقاً للمقايسة بتاريخ 18/12/2023

تنفيذ : شركة تريم وفي المقاولات العامة والتوريدات العمومية والاسكان والتعمير

رقم البند	التاريخ	الموقع الكيلومترات		الارتفاع (متر)		الكمية
		من	إلى	طول	مساحة المقطع	
IR-5-(46)	19/12/2022	388+000	388+200	200.00	6.60	1320.00
إجمالي الكميات خلال فترة المستخلص الحالية (م³)						
الإجمالي الكلي (م³) عن شهر ديسمبر						
						1320.00

مهندس الهيئة  
م / مارجريت مجدي









لجنة تكليف الوزارة بالمستخلص الخاص

مشروع : استناد أعمال الجسر الترابي والأعمال الصناعية لمشروع القطار الكهربائي السريع (العين السخنة - مطروح) لتنفيذ أعمال الجسر الترابي (قطاع  
برج العرب - العلمين) المسافة من الكم 388+000 إلى الكم 389+000 بطول 1 كيلو متر استكمال إنشاء النجيلة.

رقم البند و بئره : (3-3) بالمتر المكعب أعمال توريد وتشغيل التربة صالحة للزرم وعطاية التماسكات والتشغيل باستخدام آلات الترسية بسمك لا يزيد عن 50 سم حتى مسسوب (2.00 متر)  
(بسمك لا يزيد عن 25 سم لاستكمال المسسوب التصميمي للشكل الجسر الترابي والاسفلت (نسبة العمل كالبيوترا لا تقل عن 15% ) ورشها بالعماء الاسوتية للوصول إلى نسبة الرطوبة المطلوبة  
ولتسك الجهد بالهوابط للوصول إلى عمق 4000 جافة (80% من الكثافة القصوى) ويتم التنفيذ طبقاً للمناسيب التصميمية والقطاعات العرضية النموذجية والرسومات التنفيذية  
الاستنادة والبناء يصبح مستقلة طبقاً لاصول الصناعة ومواصفات الهيئة العامة للمطرق والكباري وتعليمات المهندس المشرف .

علاوة مساهمة النقل للتربة 119 كم (80%)

لتأجير : شركة دريم واي للمقاولات العامة والتوريدات العمومية والإستشارة والتأجير

رقم البند	التاريخ	الموقع الكيلومري		الابعاد ( متر )			التكلفة
		من	إلى	طول	مساحة السطح	العمق	
IR-5-(46)	19/12/2022	388+000	388+200	200.00	6.60	0.80	1056.00
IR-5-(47)	7/1/2023	388+200	388+300	100.00	6.20	0.80	496.00
IR-5-(48)	7/1/2023	388+300	388+500	200.00	5.82	0.80	931.20
IR-5-(49)	10/1/2023	388+000	388+200	200.00	5.50	0.80	880.00
IR-5-(50)	10/1/2023	388+200	388+300	100.00	6.03	0.80	482.40
IR-5-(51)	15/1/2023	388+000	388+200	200.00	5.50	0.80	880.00
IR-5-(52)	15/1/2023	388+200	388+300	100.00	5.86	0.80	468.80
IR-5-(53)	24/1/2023	388+000	388+200	200.00	5.67	0.80	907.20
IR-5-(54)	30/1/2023	388+000	388+200	200.00	5.85	0.80	936.00
7037.60		إجمالي تكاليف خلال فترة التسليم الحالية (م)					
7037.60		التكاليف التقديرية (م)					

مهندس الهيئة

م / مارجريت مجدي



مهندس الاستشاري

م / محمد حبيب

م / محمد حبيب

م / محمد حبيب

م / محمد حبيب

م / محمد حبيب

م / محمد حبيب

م / محمد حبيب

م / محمد حبيب

م / محمد حبيب

م / محمد حبيب

م / محمد حبيب

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م / محمد حبيب

م / محمد حبيب

م / محمد حبيب

م / محمد حبيب





قائمة الكمرات الواردة بالمستخلص النهائي

مشروع : اسناد اعمال الجسر الترابي والأعمال الصناعية لمشروع القطر الكهربائي السريع (العين السخنة - مطروح) لتنفيذ اعمال الجسر الترابي (قطاع برج العرب - العلمين) المسافة من الكم 388+000 الى الكم 389+000 بطول 1 كيلو متر استكمال إتجاه النجيلة. رقم البند، و بيانه : (1-3) بالمتر المكعب أعمال توريد وتشغيل التربة صالحة للردم ومطابقة للمواصفات والتشطيب باستخدام آلات التسوية بسبك لايزيد عن 50 سم حتى منسوب (2.00 متر) وبسبك لايزيد عن 25 سم لاستكمال المنسوب التصميمي لتشكيل الجسر الترابي والاكتاف (نسبة تحمل كاليفورنيا لا تقل عن 15%) ورشها بالمياة الاصلوية للوصول الى نسبة الرطوبة المطلوبة والدمك الجيد بالهراست للوصول الى أقصى كثافة جافة (95% من الكثافة الجافة القصوى) ويتم التنفيذ طبقا للمناسيب التصميمية والقطاعات العرضية النموذجية والرسومات التفصيلية المعتمدة والبند يجمع مشتملاته طبقا لاصول الصناعة ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف .

علاوة مسافه نقل للرمل 68 كم (20%)

تنفيذ : شركة تريم واي للمقاولات العامة والتوريدات العمومية والاستيراد والتصدير

رقم البند	التاريخ	نوع الكميات		الكمية (متر)		
		من	الى	طول	مساحة المقطع	العلاوة
IR-S-(46)	19/12/2022	388+000	388+200	200	6.60	0.20
IR-S-(47)	7/1/2023	388+200	388+300	100	6.20	0.20
IR-S-(48)	7/1/2023	388+300	388+500	200	5.82	0.20
IR-S-(49)	10/1/2023	388+000	388+200	200	5.50	0.20
IR-S-(50)	10/1/2023	388+200	388+300	100	6.03	0.20
IR-S-(51)	15/1/2023	388+000	388+200	200	5.50	0.20
IR-S-(52)	15/1/2023	388+200	388+300	100	5.86	0.20
IR-S-(53)	24/1/2023	388+000	388+200	200	5.67	0.20
IR-S-(54)	30/1/2023	388+000	388+200	200	5.85	0.20
1759.40	اجمالي الكميات خلال فترة المستخلص الحالية (م)					
1759.40	الاجمالي الكلي (م)					

مهندس الهيئة  
م / ماز جيت مجدي



مهندس الاستشاري  
كتب / محمد خليل  
م / محمد خليل

مهندس الشركة  
م / الشيخ محمد  
م / الشيخ محمد



مشروع : استاد اعمال الجسر الترابى والاعمال الصناعى لمشروع القطار الكهربائى السريع (العين السخنة - مطروح) لتنفيذ اعمال الجسر الترابى (قطاع برج العرب - العلمين) المسافة من الكم 388+000 الى الكم 389+000 بطول 1 كيلو متر استكمال اتجاه النجيلة.

رقم البند و بيانه : (1-3) بالمر المكعب اعمال توريد وتشغيل التربة معالجة التردم ومطابقة المواصفات وتشغيل باستخدام آلات التسوية بسننق الازيد عن 50 سم حتى مسنوب ( 2.00 متر) وسننق الازيد عن 25 سم لاستكمال المسنوب للتصميم للشكل الجسر الترابى والاكلاف نسبة تحمل كاتيفورنيا لا تقل عن 11% ورشها بالمياة الاسوانية للوصول الى نسبة الرطوبة المطلوبة والدمك الجيد بالهرسات للوصول الى النسب كثافة جافة (95% من الكثافة الجافة القصوى) ويتم تنفيذ طبقة للمناسيب التصفية والقطاعات العرضية العمودية والرسومات التنفيذية المعتمدة والبند يصبح مشتتات طبقة لاصون الصناعة ومواصفات الهيئة العامة للطرق والكبارى وتعليمات المهندس المشرف .

ملاوة لتحصيل رسوم الكارثة والموازن طبقا لائحة الشركة الوطنية

تنفيذ : شركة تريم وفي المقاولات العامة والتوريدات العمومية والاستاد والتصدير

الكمية	الابعاد [ متر ]		الموقع الكيلومترى		التاريخ	رقم الطلب
	مساحة المقطع	طول	الى	من		
1320.00	6.60	200.00	388+200	388+000	19/12/2022	IR-S-(46)
620.00	6.20	100.00	388+300	388+200	7/1/2023	IR-S-(47)
1164.00	5.82	200.00	388+500	388+300	7/1/2023	IR-S-(48)
1100.00	5.50	200.00	388+200	388+000	10/1/2023	IR-S-(49)
603.00	6.03	100.00	388+300	388+200	10/1/2023	IR-S-(50)
1100.00	5.50	200.00	388+200	388+000	15/1/2023	IR-S-(51)
586.00	5.86	100.00	388+300	388+200	15/1/2023	IR-S-(52)
1134.00	5.67	200.00	388+200	388+000	24/1/2023	IR-S-(53)
1170.00	5.85	200.00	388+200	388+000	30/1/2023	IR-S-(54)
8797.00	اجمالى الكميات خلال فترة المستخلص الحالية (م <sup>3</sup> )					
8797.00	الاجمالى الكلى (م <sup>3</sup> )					

مهندس الهيئة

م / مارجريت مجدى





قائمة الكميات الواردة بالمستخلص الختامي

مشروع : اسناد اعمال الجسر القروي والاعمال الصناعية لمشروع القطار الكهربائي السريع (العين السخنة -حطروخ) لتنفيذ اعمال الجسر القروي (قطاع  
برج العرب - العلمين) المسافة من الكم 388+000 الى الكم 389+000 بطول 1 كيلو متر إيجاد استكمال النجيلة.

رقم البند وبياناته : (1-11) بالمار المسطح توريد وتركيب طبقة من النسيج الصناعي جيوجريد مستورد التداخل لا يقل عن 10% و يتم التنفيذ طبقا  
لاصول الصناعة والرسومات التفصيلية و البند بجميع مشتلاته طبقا لمواصفات الهيئة العامة للطرق والكباري و تعليمات المهندس المشرف  
ذات قوة شد لا تقل عن 30 ك. نيوتن في الاتجاهين

تنفيذ : شركة تريم وي للمقاولات العامة والتوريدات العمومية والاستيراد والتصدير

الكمية	الأبعاد (متر)		المواقع الكيلومترية		التاريخ	رقم الطلب
	عرض القطاع	طول	من	الى		
3216	16.08	200	388+500	388+700	21/12/2022	IR-GE(02)
3216	16.08	200	388+300	388+500	23/01/2023	IR-GE(03)
3216	16.08	200	388+000	388+200	9/2/2023	IR-GE(05)
9648	اجمالي الكميات خلال فترة المستخلص الحالية (م <sup>3</sup> )					

مهندس الهيئة  
م / مازن محمد مجدي



مهندس الاستشاري  
مكتب XYZ  
م / محمد خليل

مهندس الشركة  
م / المهندس محمد  
م / مازن محمد مجدي



قائمة الكميات الواردة بالمستخلص الختامي

مشروع : استناد أعمال الجسر الترابي والأعمال الصناعية لمشروع القطار الكهربائي السريع (العين السخنة - مطروح) لتنفيذ أعمال الجسر الترابي (قطاع برج العرب - العنبر) المسافة من الكم 388+000 إلى الكم 389+000 بطول 1 كيلو متر إتجاه استكمال النجيلة.

رقم البند وبياناته : (2-5) بالمتر المكعب أعمال توريد وصب خرسانة عاديه للخدمات المدنية و الميول الجانبية تتكون من 0.8 م 3 سن دولوميت مدرج + 0.4 م 3 رمل حرش والإضافات طبقا لتعليمات الاستشاري (فيير + سيجا) على أن يكون السن نظيف ومغسول والرمل خالي من الشوائب والطفلة والأملاح والمواد الغريبة مع وضع قوالب (بالفاصل) سم طبقا لتعليمات الاستشاري والبند يشمل أعمال الحفر والشدات وكل ما يلزم لنهوض العمل على أن تحلق الخرسانة إجهاد لا يقل عن 250 كجم/سم 2 وملء الفواصل بالبيتومين المرمل والتنفيذ طبقا لأصول الصناعة والرسومات التفصيلية المعتمدة والبند بجميع مشتقاته طبقا للمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف.

تسليمية : شركة حريم واي للمقاولات العامة والتوريدات العمومية والاستيراد والتصدير.

الكمية	الأبعاد ( متر )		الموقع الكيلومترات		التاريخ	رقم الطلب
	مساحة المخطط	طول	إلى	من		
22.80	0.30	76	388+076	388+000	17/1/2024	IR(R.SP.1-BC)
16.80	0.30	56	388+132	388+076	21/1/2024	IR(R.SP.2-BC)
12.00	0.30	40	388+172	388+132	25/1/2024	IR(R.SP.3-BC)
20.40	0.30	68	388+240	388+172	3/2/2024	IR(R.SP.4-BC)
12.00	0.30	40	388+280	388+240	5/2/2024	IR(R.SP.5-BC)
10.80	0.30	36	388+316	388+280	6/2/2024	IR(R.SP.6-BC)
26.40	0.30	88	388+404	388+316	11/2/2024	IR(R.SP.7-BC)
22.80	0.30	76	388+492	388+416	14/2/2024	IR(R.SP.8-BC)
31.20	0.30	104	388+596	388+492	22/2/2024	IR(R.SP.9-BC)
20.40	0.30	68	388+784	388+716	25/2/2024	IR(R.SP.10-BC)
28.80	0.30	96	388+880	388+784	3/3/2024	IR(R.SP.11-BC)
25.20	0.30	84	388+964	388+880	4/3/2024	IR(R.SP.12-BC)
10.80	0.30	36	389+000	388+964	7/3/2024	IR(R.SP.13-BC)
260.40	إجمالي الكميات خلال فترة المستخلص الحالية (م <sup>3</sup> )					
260.40	الجمالي (م <sup>3</sup> )					

مهندس الهيئة  
م / مازن بن محمد



مهندس الاستشاري  
مكتب XYZ  
م / مهندس خليل





مشروع : اسناد اعمال الجسر الترابي والاعمال الصناعية لمشروع القطار الكهربائي السريع (عين السخنة - مطروح) لتنفيذ اعمال الجسر الترابي (قطاع برج العرب - العلمين) المسافة من الكم 388+000 الى الكم 389+000 بطول 1 كيلو متر اتجاه استكمال التجهيز.

رقم البند وبيلالة : (1-5) بالامر المسطح اعمال لوريد وحسب خرسانة عادية سمك 25 سم لحماية الاكلاف والبيول الجانبية لتكون من 0.8 م سن دولوميت مندرج + 0.4 م رمل حرش والاضافات طبقا لتعليمات الاستشاري (فيلر + سبك) على ان يكون السن نظيف ومغسول والرمول خالي من الشوائب والطينة والاملاح والمواد الغريبة مع وضع قوَم ( بالفصل ) بسعته 2 سم ( طبقا لتعليمات الاستشاري ) وانبتد يشمل تجهيز واستبدال مناسب التربة الطبيعية اسفل البلاطة للوصول الى المتاسب التصميمية على ان تحقق الخرسانة إجهاد لا يقل عن 250 كجم / سم2 وتسطيب السطح وملء الفواصل بالبيتومين المرمل والتنظيف طبقا لاصول الصناعة والرسومات التفصيلية المعتمدة والبتد يجمع مشتكلاته طبقا لمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف

تنفيذ : شركة تريم واي للمقاولات العامة والتوريدات العمومية والاستيراد والتصدير

الكمية	الابعاد ( متر )		المواقع الكيلومترية		التاريخ	رقم الطلب
	عرض الفتحة	طول	من	الى		
326.80	4.30	76	388+000	388+076	17/1/2024	IR(R.SP.1-BC)
228.48	4.08	56	388+132	388+076	21/1/2024	IR(R.SP.2-BC)
146.80	3.67	40	388+172	388+132	25/1/2024	IR(R.SP.3-BC)
235.96	3.47	68	388+240	388+172	3/2/2024	IR(R.SP.4-BC)
103.20	2.58	40	388+280	388+240	5/2/2024	IR(R.SP.5-BC)
116.28	3.23	36	388+316	388+280	6/2/2024	IR(R.SP.6-BC)
219.12	2.49	88	388+404	388+316	11/2/2024	IR(R.SP.7-BC)
197.60	2.60	76	388+492	388+416	14/2/2024	IR(R.SP.8-BC)
268.32	2.58	104	388+596	388+492	22/2/2024	IR(R.SP.9-BC)
227.12	3.34	68	388+784	388+716	25/2/2024	IR(R.SP.10-BC)
298.56	3.11	96	388+880	388+784	3/3/2024	IR(R.SP.11-BC)
241.92	2.88	84	388+964	388+880	4/3/2024	IR(R.SP.12-BC)
103.32	2.87	36	389+000	388+964	7/3/2024	IR(R.SP.13-BC)
2713.48	اجمالي الكميات ككل فوق المستخلص الختامي (م <sup>3</sup> )					

مهندس الهيئة  
م / مارجريت مجدي



مهندس الاستشاري  
مكتب XYZ  
م / محمد خليل  
مشروع القطار الكهربائي السريع

مهندس الشركة  
مكتب ABC  
م / محمد محمد  
مشروع القطار الكهربائي السريع



## نموذج رقم ٢



بشان : حصر المواد المحجّرة الواردة بالمستخلص

القيّد : ..... / ..... / ٢٠٢٣ المنطقة .....

التاريخ ..... / ..... / ٢٠٢٣

إلى السيد المهندس / رئيس قطاع الطرق والنقل

تحية طيبة وبعد ،،،

نتشرف بان نرفق طيلة المستخلص الختامي الخاص بعملية  
( اعمال الجسر الترابي والاعمال الصناعية للقطار الكهربائي السريع استكمال اتجاه النجيلة  
تنفيذ شركة / دريم واى للمقاولات العامة والتوريدات عقد رقم ٢٠٢٣/٢٠٢٢/٢١٦٠  
يرجى التفضل بالاحاطة والتنبيه باتخاذ ما يلزم مع التفضل من سيادتكم  
بالعلم ان المواد المحجّرة المستخدمة بيائها كالاتى :-

م	نوع المادة المحجّرة	الوحدة	الكمية	الجهة الحصول على الخامة
١	من	م ٢	٨٧٩٧,٠٠٠	كسارة .....
٢	آلية	م ٢		محد المصبة
	رس	م		مدير رسم / مخرج / جون

هذا وقد تمت مراجعة ( البوثات المائية / التصريح ) للكميات التي تم الحصول عليها من  
( كسارات / محاجر / تشوينات ) معتمدة ووجدت مطابقة للكميات بالمستخلص .  
يرجى التكرم من سيادتكم بالعلم والاحاطة والتنبيه باتخاذ اللازم ،،،

وتفضلوا بقبول فائق الاحترام ،،

التوقيع ( )  
عميد مهندس / هاني محمد محمود طه  
رئيس الادارة المركزية  
للمنطقة الخامسة - غرب الدقا





### إفادة

بالإشارة لمشروع أعمال الجسر الترابي والاعمال الصناعية لمشروع القطار الكهربائي السريع  
(برج العرب - العلمين)

العقد رقم: اتجاه استكمال النجيلة (2023/2022/2160)

في المسافة من 388+000 الي 389+000

مقولة شركة : دريم واي للمقاولات العمومية

اشراف استشاري : مكتب د/ عماد نبيل

كمية الاتربة المستخدمة في المشروع : 8797.00 م<sup>3</sup>.

يرجى العلم بأنه قد تم توريد المواد المحجرة بالمشروع ببيانات رسمية معتمدة وقام استشاري  
المشروع بمراجعة جميع البيانات والتأكد من الكميات المدرجة وذلك تحت اشراف المنطقة.

مدير مشروع الشركة	مدير مشروع الاستشاري	مدير مشروع الهيئة	مدير عام المشروعات
م/ مازن حسان	م/ مازن حسان	م/ مارجريت مجدي	م/ محمد حسني فياض



يعتمد

رئيس الادارة المركزية

منطقة غرب الدلتا

الاسكندرية - مرسى مطروح

عميد مهندس /

" هاني محمد محمود طه "





### كشف أتاوة المحاجر

### عن كمية المواد التي تم استخدامها

مشروع أعمال الجسر الترابي والاعمال الصناعية لمشروع القطار الكهربائي  
السريع (العين السخنة- العاصمة الادارية - العلمين - مطروح )  
قطاع غرب النيل لتنفيذ المسافة من الكم 388+000 الي الكم 389+000 بطول  
1 كم اتجاه ( استكمال النجيلة )

تنفيذ : شركة دريم واى للمقاولات العمومية

أعمال تم تنفيذها حتى تاريخ 2024/3/5

كمية الاتربة المنفذة بند رقم (1-3)

بالمتر المكعب = 8797 م3

مدير مشروع الهيئة

م/ مارجريت مجدي

مدير مشروع الاستشاري

م/ مازن عصامي



مدير مشروع الشركة

م/ السعيد محمد





## محضر استلام ابتدائي

لعملية: أعمال الجسر الترابي لمشروع القطار الكهربائي السريع (قطاع غرب النيل\_ قطاع برج العرب/العلمين)

لتنفيذ المسافة من الكم(388+000) إلى الكم(389+000) اتجاه استكمال التجبيلة

تنفيذ شركة :- دريم واي للمقاولات العامة

اشراف : المنطقة الخامسة غرب الدلتا (الإسكندرية\_ مطروح)

استشاري الهيئة للمشروع : سبكتروم (دعماد نبيل )

انه في يوم الثلاثاء الموافق 2024/03/5 وبناءً على قرار السيد العميد مهندس/رئيس الإدارة المركزية

لمنطقة غرب الدلتا رقم (121) بتاريخ 2022/09/14 والخاص بأعمال الاستلام الابتدائي للأعمال عليه.

فقد اجتمعت اللجنة المشكلة من كلاً من :-

- |          |   |                                |
|----------|---|--------------------------------|
| (رئيساً) | مدير عام المشروعات بالمنطقة                 | (1) المهندس/ محمد حسني فياض    |
| (عضواً)  | مدير مشروع القطاع من المنطقة                | (2) المهندس/ مارجريت مجدي زاهر |
| (عضواً)  | معمل المنطقة المشرفة                        | (3) المهندس/ عبدالله عبدالمحسن |
| (عضواً)  | مكتب: سبكتروم (دعماد نبيل) استشاري الهيئة   | (4) المهندس / مازن عصامي       |
| (عضواً)  | مكتب ( اكس واي زد) استشاري المساحة بالمشروع | (5) المهندس/ محمد خليل         |
| (عضواً)  | الشركة المنفذة : دريم واي للمقاولات العامة  | (6) المهندس/ السعيد محمد       |

وقد بدأت اللجنة أعمالها بالإطلاع علي ملف العملية وكراسة الشروط والمواصفات وعقد العملية ثم انتقلت اللجنة علي الطبيعة للمرور علي الأعمال المنفذة ومعاينتها ظاهرياً وتم أخذ عينات أتربة من الجسر لإجراء التجارب اللازمة عليها بمعمل المنطقة وتحديد نسبة الحبيود وقد أسفر الفحص والمعاينة الظاهرية عن التالي:-

### الأعمال المنفذة والمطلوب تسليمها أعمال الحفر وأعمال الأتربة لتشكيل مسار الجسر الترابي

#### أولاً:- أعمال الحفر:-

تم التأكد من وصول الأعمال للمناسيب المطلوبة طبقاً لطلبات التسليم بالمشروع والأعمال مقبولة بصفة عامة .

#### ثانياً:- حالة السطح العلوي للجسر المنفذ:-

الأعمال مقبولة بصفة عامة وتم التأكد من الوصول للمناسيب وتحقيق الميول الجانبية للقطاع



## توصيات اللجنة :-

- (1) علي مندوب معمل المنطقة تحديد مدى الحيود بالعينات عن المواصفة العامة للمشروع وتحديد قيمة الخصم .
- (2) علي السادة استشاري القطاع (سيكترم (دعماد نبيل )) مراجعة الحصر والتأكد من الكميات المنقذة طبقاً لطلبات الاستلام وموافقة اللجنة بالكميات والتجارب التي أجريت علي الأعمال أثناء التنفيذ.
- (3) قام مندوب استشاري المعساحة بالتأكد علي المناسيب المنقذة طبقاً للتصميم المعتمد.
- (4) علي استشاري القطاع (سيكترم (دعماد نبيل )) متابعة سلوك الأعمال خلال فترة الضمان وإبلاغ الشركة بأي عيوب تظهر لأصلاحها فوراً.

وعليه تری اللجنة قبول الأعمال حيث لا يوجد ما يعيق الاستلام الابتدائي للأعمال عليه ويعتبر تاريخ المحضر هو تاريخ النهر القطعي وبدء فترة الضمان للأعمال.

وعلي ذلك جري التوقيع ، بالتأشير ، والتصديق  
التوقيعات :-

(6) المهندس محمد المسح  
(5) المهندس محمد النبل

(4)  
(3)

(2)

(1)





## محلله اضافيه واردة من المنطقة الخامسة - غرب الدلتا

اسم العميل: تنفيذ اعمال الجسر الترابي والاعمال الصناعية بقطاع العاصمة الادارية  
ضمن مشروع انشاء القطار الكهربائي السريع (العين السخنة - العاصمة  
الادارية - العلمين - مطروح) قطاع برج العرب العلمين في المسافة من الكم ٣٨٨ الى  
الكم ٣٨٩ بطول الكم استكمال اتجاه التجيله

اسم الشركة المنفذة: شركة شركة دريم واى للمقاولات العامة والتوريدات  
عدد العملية رقم: (٢٠٢٣/٢٠٢٢/٢١٦٠)

قيمة التعاقدية: ٥.٣٢١ مليون جنيه

تاريخ بدء العملية: ٢٠٢٣/٦/١٣

تاريخ النھو طبقا للتعاقد: ٢٠٢٤/٢/١٢

المطلوب: مد مدة المشروع ٦ اشهر ليصبح تاريخ النھو ٢٠٢٤/٨/١٢  
المبررات: ورد خطاب المنطقة المشرفة والمرفق به خطاب الشركة المنفذة بشأن مد مدة العملية ٦ اشهر للأسباب الاتية

- بناءاً على قرار مجلس الوزراء بالجلسة رقم (٢٥٤) بتاريخ ٢٠٢٣/٨/٣٠ بمد جميع التعاقدات  
الجاري تنفيذها لمدة (٦ اشهر) وذلك لمواجهة الآثار السلبية المترتبة على تداعيات الازمات  
العالمية الحالية والى طلب الشركة المنفذة المقدم بمبررات منحها تلك المدة وموافقة المنطقة  
المشرفة بعد دراستها الطلب على منحها تلك المدة

- تغيير سعر صرف الدولار بشكل مفاجى اثر على ترتيبات الاعمال  
- الصعوبة في الحصول على المواد الخام  
- الصعوبة في الحصول على قطع غيار المعدات اللازمة

إعداد مهندس: مدير عام (صيانة/التنفيذ)

رئيس الادارة المركزية للشئون المالية: مدير عام (مالية)

رأي الإدارة القانونية: مدير عام (قانون)

رئيس المنطقة: مدير عام (منطقة)

رئيس الادارة المركزية لتنفيذ وصياله: مدير عام (تنفيذ وصياله)

رئيس قطاع التنفيذ والمناطق: مدير عام (قطاع)

أوافق و يعتمد ...

التوقيع: /  
لواء مهندسين / حسان الدين مصطفى  
رئيس الهيئة العامة للطرق والكباري

الحالة المدونة بالقرعة مع بيان الوراء  
مع عدم فصل مقابل تأخير من الشركة  
لعدم نواحي مناطق ذلك ١.٩٠/٢٠٢٣

١٩/٢٠٢٣



## مقايمة ختامية

بخصوص :- اعمال الجسر الترابي والاعمال الصناعية لمشروع الفطار

الكهربائي السريع بطول ١ كم استكمال اتجاه النجينة

مقولة :- شركة دريم واى للمقاولات العامة والتوريدات العمومية

بمناسبة انتهاء الاعمال الخاصة بالعملية عالية وعمل المستخلص الختامي

طبقا للكميات المنفذة على الطبيعة فقد تم اعداد المقايمة الختامية المرفقة لكافة

بنود العملية باجمالى مبلغ ٥٢٩٠١٥٤,٦٤ جنيه (فقط وقدره خمسة مليون مئتان وتسعون الف مائة اربعة

وخمسون جنيها ١٠٠/٦٤ لا غير )

مدير عام المشروعات

مهندس / المشرف على تنفيذ العملية

رسم : ١٠٠/٦٤

التوقيع : /

رسم : ١٠٠/٦٤

التوقيع : /

رئيس الادارة المركزية

منطقة غرب الدلتا

(بالاسكندرية / مرسى مطروح)

عميد مهندس / " هاني محمد محمود طه "





