

وزارة النقل

الهيئة العامة للطرق والكبارى

المنطقة السادسة - بني سويف

السيد المهندس / رئيس قطاع التنفيذ والمناطق

تحية طيبة وبعد

الموضوع بخصوص: أعمال الجسر الترابى والاعمال الصناعية لمشروع القطار الكهربائى السريع (اكتوبر - بنى مزار) القطاع الاول لتنفيذ المسافة من الكم 154+000 الى الكم 157+500 بطول 3.5 كم اتجاه الفيوم

الشركة المنفذة: شركة المصرية للمقاولات وتجارة الحديد والاسمنت

نتشرف بأن ترفق لسيادتكم طيه مستخلص جاري (2).

اتجاه الفيوم 2023/2022/2127

برجاء التكرم بالاحاطه والتنبيه باللازم.

مرفات:

- 1- استمارة 50 ع ح
- 2- اصل مستخلص
- 3- اصل بيان اعمال
- 4- اصل حصر الاعمال
- 5- صورة محضر مسافة نقل
- 6- صورة الركوستات
- 7- صورة تجارب المعمل
- 8- اصل البرنامج الزمني

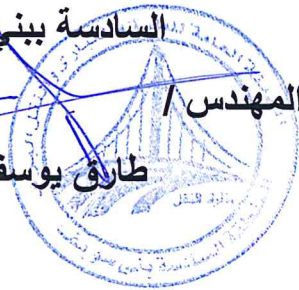
وتفضلو بقبول فائق الاحترام.

رئيس الادارة المركزية للمنطقة

السادسة ببني سويف

السيد المهندس /

طارق يوسف الجزار



(٨) أدسنه كش:

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسجته للجهايات الاستشارية والمركزي والمنفذ يسلم الأصل للهيئة العامة للطرق والكباري	
Signature : _____ Date : / / _____			
Engineer's Representative " SYSTRA " comments : _____			
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D)			
Resident Engineer Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____			
Inspection Report : Entrans Consulting Signature _____			
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D)			
Inspection Report : Surveying/systems Signature _____			
Submitted by : _____			
Others (specify) _____			
Particular Details 1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing LAYER(-1.50) BACKFILL			
Purpose of the inspection : _____			
Inspection : @First @Second @Third			
References Location : _____ INSPECTION ZONE From Station 155+660 To Station 155+760 Specification : _____			
Inspection time : _____ Date : _____			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works : _____			
Request for inspection			
Request No L-86	Employer Consultant 	Electric Express Train - HSR From October to Aswan	Contractor 
Date 13/9/2023 30-8-2023	GARB Consultant 	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	Date 13/9/2023 30-8-2023



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

Enttrans
CONSULTING



المهندسة العامة
للبنية التحتية



قواعد القامة
التأجيل
مخطط سطح الطريق

Station
From
To
155+660
155+760

ملاحظات طبقه 1.50 م

Station	TOP OF SUB GRADE (CENTER)				Left					Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL		15.340	12	8	4	P.G.-C.L	4	8	11.948			L	R	
155+660	268214.379	3179810.379	73.78	EXIST.LEVEL	71.98	72.04	72.12	72.20	72.28	72.20	72.12	72.04	0.02	0.02	15.340	11.948	27.288
				DES.READ													
				ACT.READ													
				DEF	+5	+1	+2	-3	+4	+1	+3	-2					
155+680	268199.753	3179796.738	73.82	EXIST.LEVEL	72.02	72.08	72.16	72.24	72.32	72.24	72.16	72.08	0.02	0.02	15.340	11.948	27.288
				DES.READ													
				ACT.READ													
				DEF	+4	-3	+2	+1	-3	+2	+3	+2					
155+700	268185.126	3179783.098	73.86	EXIST.LEVEL	72.06	72.12	72.20	72.28	72.36	72.28	72.20	72.12	0.02	0.02	15.340	11.948	27.288
				DES.READ													
				ACT.READ													
				DEF	+1	+2	-3	+4	+3	+2	-3	+4					
155+720	268170.5	3179769.457	73.90	EXIST.LEVEL	72.10	72.16	72.24	72.32	72.40	72.32	72.24	72.16	0.02	0.02	15.340	11.948	27.288
				DES.READ													
				ACT.READ													
				DEF	+2	-3	+4	+5	+2	-3	+1	-2					
155+740	268155.873	3179755.817	73.94	EXIST.LEVEL	72.14	72.20	72.28	72.36	72.44	72.36	72.28	72.20	0.02	0.02	15.340	11.948	27.288
				DES.READ													
				ACT.READ													
				DEF	+1	-2	+1	-3	+2	+3	+4	-2					
155+760	268141.246	3179742.176	73.98	EXIST.LEVEL	72.18	72.24	72.32	72.40	72.48	72.40	72.32	72.24	0.02	0.02	15.340	11.948	27.288
				DES.READ													
				ACT.READ													
				DEF	+1	-2	+1	+2	-3	+1	-2	+1					

المهندس الاستشاري

مهندس الشركة

Handwritten signature

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسخه للاطلاع على الامور المتعلقة بالقرارات والقرارات المتعلقة بالقرارات	
Signature : _____ Date : / /			
Engineer's Representative " SYSTRA " comments : _____			
Signature : _____ Date : / /			
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____		Inspection Report : Entrans Consulting approved as civil only soil supplies near the sector Signature _____	
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D)			
Signature _____ Surveyor		Inspection Report : Surveying systems Signature _____	
Submitted by : _____ Signature : _____			
Particular Details			
Others (specify) : _____			
Layer (-1.75 Backfill)			
Purpose of the Inspection :			
☐ 1. Earthworks ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment			
☐ 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection			
☐ 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection			
☐ 4. Surveying ☐ Setting out ☐ Levels ☐ Vertically ☐ NGL			
☐ 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Inspection : ☒ First ☐ Second ☐ Third			
References : _____			
Location : _____		INSPECTION ZONE From Station 155+660 To Station 155+760 Specification: _____	
Inspection time : _____ Date : _____			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works : _____			
Request for Inspection			
Contractor 		Employer Consultant 	
From Station: (154+000) To Station: (157+500) SECTION ONE (OCTOBER - BANI MAZAR) OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)		From october to Aswan Electric Express Train - HSR	
GARB CONSULTANT 		Entrans CONSULTING 	
Date : 6/4/2023		Request No. : L67	



Trans

الهيئة العامة للنقل



مشروع القطار السريع (اكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

ST	155+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820	155+840	155+860	155+880	155+900	155+920	155+940	155+960	155+980	156+000
station	155+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820	155+840	155+860	155+880	155+900	155+920	155+940	155+960	155+980	156+000
DL	74.403	74.443	74.483	74.523	74.563	74.603	74.643	74.683	74.723	74.763	74.803	74.843	74.883	74.923	74.964	75.004	75.044	75.084	75.124	75.164	75.204	75.244	75.284	75.324	75.364
ferma	73.503	73.543	73.583	73.623	73.663	73.703	73.743	73.783	73.823	73.863	73.903	73.943	73.983	74.023	74.064	74.104	74.144	74.184	74.224	74.264	74.304	74.344	74.384	74.424	74.464
NGL	70.446	70.398	69.955	69.932	69.812	69.921	70.041	70.515	70.555	70.864	70.99	70.588	70.876	71.74	71.848	73.302	72.871	73.23	73.31	73.26	73.28	73.27	73.34	73.4	73.48
0.25	73.253	73.293	73.333	73.373	73.413	73.453	73.493	73.533	73.573	73.613	73.653	73.693	73.733	73.773	73.814	73.854	73.894	73.934	73.974	74.014	74.054	74.094	74.134	74.174	74.214
0.50	73.003	73.043	73.083	73.123	73.163	73.203	73.243	73.283	73.323	73.363	73.403	73.443	73.483	73.523	73.564	73.604	73.644	73.684	73.724	73.764	73.804	73.844	73.884	73.924	73.964
0.75	72.753	72.793	72.833	72.873	72.913	72.953	72.993	73.033	73.073	73.113	73.153	73.193	73.233	73.273	73.314	73.354	73.394	73.434	73.474	73.514	73.554	73.594	73.634	73.674	73.714
1.00	72.503	72.543	72.583	72.623	72.663	72.703	72.743	72.783	72.823	72.863	72.903	72.943	72.983	73.023	73.064	73.104	73.144	73.184	73.224	73.264	73.304	73.344	73.384	73.424	
1.25	72.253	72.293	72.333	72.373	72.413	72.453	72.493	72.533	72.573	72.613	72.653	72.693	72.733	72.773	72.814	72.854	72.894								
1.50	72.003	72.043	72.083	72.123	72.163	72.203	72.243	72.283	72.323	72.363	72.403	72.443	72.483	72.523	72.564										
1.75	71.753	71.793	71.833	71.873	71.913	71.953	71.993	72.033	72.073	72.113	72.153	72.193	72.233	72.273	72.314										
2.00	71.503	71.543	71.583	71.623	71.663	71.703	71.743	71.783	71.823	71.863	71.903	71.943	71.983	72.023	72.064										
2.50	71.003	71.043	71.083	71.123	71.163	71.203	71.243	71.283	71.323	71.363	71.403	71.443	71.483												
3.00	70.503	70.543	70.583	70.623	70.663	70.703	70.743	70.783	70.823																
3.50			70.083	70.123	70.163	70.203	70.243																		
4.00																									
4.50																									
5.00																									
5.50																									
DIFF	3.057	3.145	3.628	3.691	3.851	3.782	3.702	3.268	3.268	2.999	2.913	3.355	3.107	2.283	2.116	0.802	1.273	0.954	0.914	1.004	1.024	1.074	1.044	1.024	0.984
LAYER	3	3	3.5	3.5	3.5	3.5	3	3	3	2.5	2.5	3	3	2	2	0.75	1	0.25	0	0	0.25	0.5	1	0.75	0.5
THICK OF LAYER	0.057	0.145	0.128	0.191	0.351	0.282	0.702	0.268	0.268	0.499	0.413	0.355	0.107	0.283	0.116	0.052	0.273	0.704	0.914	1.004	0.774	0.574	0.044	0.274	0.484

5- Approved

Pauline

ميول وعروض طبقات الردم - (34 م ردم)

Typical Fill 1

في حالة طرق الخدمة في الجهة اليسرى وبدون فتاة جانبية

رقم الطبقة	انخفاض الطبقة عن مستوى التسوية TOE	معدل الطبقة في الجانبين	العرض في الجانب الاجمعي	العرض في الجانب الاجمعي
1	0	4%	9.936	-13.436
2	0.25	4%	10.335	-13.835
3	0.5	4%	10.734	-14.234
4	0.75	4%	11.133	-14.633
5	1	4%	11.532	-15.032
6	1.25	3%	11.743	-15.188
7	1.5	2%	11.948	-15.340
8	1.75	1%	12.147	-15.487
9	2	0%	12.340	-15.630
10	2.25	0%	12.715	-16.005
11	2.5	0%	13.090	-16.380
12	2.75	0%	13.465	-16.755
13	3	0%	13.840	-17.130
14	3.25	0%	14.215	-17.505
15	3.5	0%	14.590	-17.880
16	3.75	0%	14.965	-18.255
17	4	0%	15.340	-18.630
18	4.25	0%	15.715	-19.005
19	4.5	0%	16.090	-19.380
20	4.75	0%	16.465	-19.755
21	5	0%	16.840	-20.130
22	5.25	0%	17.215	-20.505
23	5.5	0%	19.590	-20.880
24	5.75	0%	19.965	-23.255
25	6	0%	20.340	-23.630
26	6.25	0%	20.715	-24.005
27	6.5	0%	21.090	-24.380
28	6.75	0%	21.465	-24.755

مدير المشروع

م. شعبان سعيد

الموافق ١٤٤٣/١٠/١٩

م. عبد المكيب النقي

م. عبد المكيب النقي

١٤٤٣/١٠/١٩

Sand cone test

14/9/2023

المصرية

انشاء القطار الكهربائي السريع القطاع الاول من اكتوبر الى اسوان

-1.50

155+660 : 155+760

Date

Company

Project

Layer No

Station

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	9655	9532	9421	9354				
Weight of sand cone after test (g)	5620	5543	5539	5403				
Weight of the wet sample (g)	4375	4279	4098	4213				
Weight of sand filling the cone (g)	1121							
Moisture content %	6.3	6.5	6.2	6.4				
Maximum dry density (g/cm3)	2.129							
Sand density (g/cm3)	1.48							
Required relative compaction %	95%							
Relative compaction %	98.18	97.39	97.16	97.26				

Lab.Eng /

Consultant Eng /

Lab. Eng / Consultant Engineer /

Stress on	Gauge	Elapsed	Dial Reading Number	Average
Soil	Reading Time	(mm)	Reading	(mm)
(kg/cm ²)	(MN/m ²)	(Bar)	(min.)	(1"
0.10	0.01	9.42	2.0	8.25
0.90	0.09	84.82	2.0	7.94
1.60	0.16	150.80	2.0	7.70
1.60	0.16	150.80	60.0	7.03
2.50	0.25	235.62	2.0	6.62
3.30	0.33	311.02	2.0	6.37
4.20	0.42	395.84	2.0	6.02
5.00	0.50	471.24	2.0	5.63
3.30	0.33	311.02	2.0	5.79
1.60	0.16	150.80	2.0	6.08
0.00	0.00	84.82	2.0	6.79
0.90	0.09	84.82	2.0	6.64
1.60	0.16	150.80	2.0	6.43
2.50	0.25	235.62	2.0	6.17
3.30	0.33	311.02	2.0	5.86
4.20	0.42	395.84	2.0	5.62
5.00	0.50	471.24	2.0	5.38
3.30	0.33	311.02	2.0	5.65
1.60	0.16	150.80	2.0	5.97
0.00	0.00	84.82	2.0	6.68

DATE	TIME	PROJECT	LABORATORY	TEST TYPE	TEST RESULT
15/05/2011	15:34:00	15/05/2011	15/05/2011	15/05/2011	15/05/2011

DIN 18134 PLATE LOADING TEST

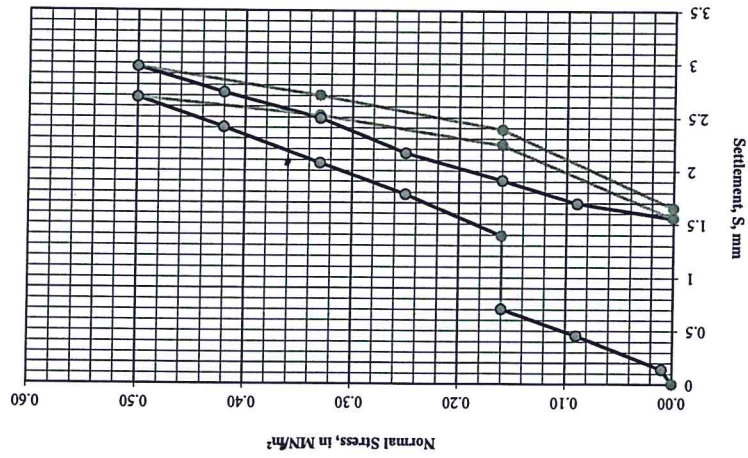


Lab. Eng / *Amr* / Consultant Engineer /

Strain modulus (1 st loading cycle), $E_{v1} =$	84.8	MN/m ²
Strain modulus (2 nd loading cycle), $E_{v2} =$	161.7	MN/m ²
EV2/EV1	1.91	

$$E_v = \frac{15 \cdot r}{(a_1 + a_2 \cdot \sigma_{0max})}$$

Remarks:



Lab. Eng / Consultant Engineer /

Stress on	Gauge	Elapsed	Dial Reading Number	Average
Soil	Reading	Time	(mm)	Reading
(Kg/cm ²)	(MN/m ²)	(Bar)	(min.)	(1)
0.10	0.01	9.42	2.0	8.25
0.90	0.09	84.82	2.0	7.89
1.60	0.16	150.80	2.0	7.63
1.60	0.16	150.80	60.0	7.70
2.50	0.25	235.62	2.0	7.03
3.30	0.33	311.02	2.0	6.62
4.20	0.42	395.84	2.0	6.37
5.00	0.50	471.24	2.0	6.02
6.00	0.60	557.00	2.0	5.74
7.00	0.70	642.76	2.0	5.42
8.00	0.80	728.52	2.0	5.10
9.00	0.90	814.28	2.0	4.78
10.00	1.00	900.04	2.0	4.46
11.00	1.10	985.80	2.0	4.14
12.00	1.20	1071.56	2.0	3.82
13.00	1.30	1157.32	2.0	3.50
14.00	1.40	1243.08	2.0	3.18
15.00	1.50	1328.84	2.0	2.86
16.00	1.60	1414.60	2.0	2.54
17.00	1.70	1500.36	2.0	2.22
18.00	1.80	1586.12	2.0	1.90
19.00	1.90	1671.88	2.0	1.58
20.00	2.00	1757.64	2.0	1.26
21.00	2.10	1843.40	2.0	0.94
22.00	2.20	1929.16	2.0	0.62
23.00	2.30	2014.92	2.0	0.30
24.00	2.40	2100.68	2.0	0.00
25.00	2.50	2186.44	2.0	0.00
26.00	2.60	2272.20	2.0	0.00
27.00	2.70	2357.96	2.0	0.00
28.00	2.80	2443.72	2.0	0.00
29.00	2.90	2529.48	2.0	0.00
30.00	3.00	2615.24	2.0	0.00
31.00	3.10	2701.00	2.0	0.00
32.00	3.20	2786.76	2.0	0.00
33.00	3.30	2872.52	2.0	0.00
34.00	3.40	2958.28	2.0	0.00
35.00	3.50	3044.04	2.0	0.00
36.00	3.60	3129.80	2.0	0.00
37.00	3.70	3215.56	2.0	0.00
38.00	3.80	3301.32	2.0	0.00
39.00	3.90	3387.08	2.0	0.00
40.00	4.00	3472.84	2.0	0.00
41.00	4.10	3558.60	2.0	0.00
42.00	4.20	3644.36	2.0	0.00
43.00	4.30	3730.12	2.0	0.00
44.00	4.40	3815.88	2.0	0.00
45.00	4.50	3901.64	2.0	0.00
46.00	4.60	3987.40	2.0	0.00
47.00	4.70	4073.16	2.0	0.00
48.00	4.80	4158.92	2.0	0.00
49.00	4.90	4244.68	2.0	0.00
50.00	5.00	4330.44	2.0	0.00
51.00	5.10	4416.20	2.0	0.00
52.00	5.20	4501.96	2.0	0.00
53.00	5.30	4587.72	2.0	0.00
54.00	5.40	4673.48	2.0	0.00
55.00	5.50	4759.24	2.0	0.00
56.00	5.60	4845.00	2.0	0.00
57.00	5.70	4930.76	2.0	0.00
58.00	5.80	5016.52	2.0	0.00
59.00	5.90	5102.28	2.0	0.00
60.00	6.00	5188.04	2.0	0.00
61.00	6.10	5273.80	2.0	0.00
62.00	6.20	5359.56	2.0	0.00
63.00	6.30	5445.32	2.0	0.00
64.00	6.40	5531.08	2.0	0.00
65.00	6.50	5616.84	2.0	0.00
66.00	6.60	5702.60	2.0	0.00
67.00	6.70	5788.36	2.0	0.00
68.00	6.80	5874.12	2.0	0.00
69.00	6.90	5959.88	2.0	0.00
70.00	7.00	6045.64	2.0	0.00
71.00	7.10	6131.40	2.0	0.00
72.00	7.20	6217.16	2.0	0.00
73.00	7.30	6302.92	2.0	0.00
74.00	7.40	6388.68	2.0	0.00
75.00	7.50	6474.44	2.0	0.00
76.00	7.60	6560.20	2.0	0.00
77.00	7.70	6645.96	2.0	0.00
78.00	7.80	6731.72	2.0	0.00
79.00	7.90	6817.48	2.0	0.00
80.00	8.00	6903.24	2.0	0.00
81.00	8.10	6989.00	2.0	0.00
82.00	8.20	7074.76	2.0	0.00
83.00	8.30	7160.52	2.0	0.00
84.00	8.40	7246.28	2.0	0.00
85.00	8.50	7332.04	2.0	0.00
86.00	8.60	7417.80	2.0	0.00
87.00	8.70	7503.56	2.0	0.00
88.00	8.80	7589.32	2.0	0.00
89.00	8.90	7675.08	2.0	0.00
90.00	9.00	7760.84	2.0	0.00
91.00	9.10	7846.60	2.0	0.00
92.00	9.20	7932.36	2.0	0.00
93.00	9.30	8018.12	2.0	0.00
94.00	9.40	8103.88	2.0	0.00
95.00	9.50	8189.64	2.0	0.00
96.00	9.60	8275.40	2.0	0.00
97.00	9.70	8361.16	2.0	0.00
98.00	9.80	8446.92	2.0	0.00
99.00	9.90	8532.68	2.0	0.00
100.00	10.00	8618.44	2.0	0.00

Date	10-10-2023	No of Test	1
Company	Benjamins Consulting	Soil Type	Medium Sand & Gravel (G-1)
Project	Benjamins Consulting	Plate Diameter	FD
Layer No.	1.5	Station	155+660 : 155+760

PLATE LOADING TEST DIN 18134

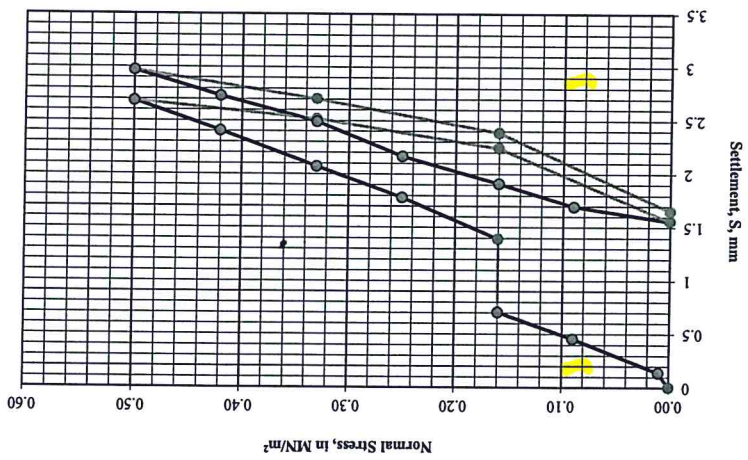


Lab. Eng / *Mr. D*
 Consultant Engineer /

Strain modulus (1 st loading cycle), $E_{s1} =$	84.8	MN/m ²
Strain modulus (2 nd loading cycle), $E_{s2} =$	161.7	MN/m ²
EV2/EV1	1.91	

$$E_v = \frac{15 \cdot r}{a_1 + a_2 \cdot \sigma_{0max}}$$

Remarks:



Request for Inspection We request your attendance to inspect the following works :		Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		وندرجه للاطلاع على الامور المتعلقة بالقرابة والقرابة والقرابة وندرجه للاطلاع على الامور المتعلقة بالقرابة والقرابة والقرابة	
Request No L-142		Employer Consultant 		Contractor 	
Electric Express Train - HSR From October to Aswan		OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZARA) From Station: (154+000) To Station: (157+500)		GARB Consultant 	
Date 12-12-2023		Date 12/12/2023			
Request for Inspection					
We request your attendance to inspect the following works :					
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey					
Inspection time :					
Location :		INSPECTION ZONE			
From Station 154+980		To Station 155+100			
References		Specification:			
Inspection : ☒ First ☐ Second ☐ Third					
Purpose of the inspection :					
1. Earthworks ☐ Strippling ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment					
2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other					
3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection					
4. Surveying ☐ Setting out ☐ Levels ☐ Vertically ☐ NGL					
5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing					
Others (specify) Particular Details Submitted by : Signature :					
Inspection Report : Surveying systems 12-12-2023 Signature :					
The work have found to be : ☒ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)					
Inspection Report : Entrans Consulting Signature :					
Structural Eng. Civil Eng. EM Eng. Arch. Eng.					
Approved as noted OK 12/12/2023					
The work have found to be : ☒ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)					
Signature : Date : 12/12/2023					
Engineer's Representative " SYSTRA " comments :					
Signature : Date : / /					
Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.					



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI NAZARI)

IBRAHIM AL-SAYED
CONSULTING



المشاورين
إبراهيم السيد الاستشارات
للهندسة والبناء والتشييد

كود خط	
خط	
تاريخ إعداد	

Station	
From	TO
154+980	155+100

م. 5- طبقة

Station	TOP OF SUB GRADE (CENTER)			LEFT					Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL	EXIST.LEVEL	12.00	8.00	4.00	P.G.C.L	4.00	8.00	10.734			L	R	
154+980	26871.683	3180274.156	70.987	DES.READ ACT.READ DEF	69.92 70.01 70.03	70.17 70.12 70.28	70.33 70.44 70.44	70.49 70.60 70.60	70.33 70.44 70.44	70.17 70.28 70.28	70.06 70.17 70.17	4%	4%	14.234	10.734	24.968
155+000	268697.056	3180260.515	71.100	DES.READ ACT.READ DEF	70.14 70.23 70.39	70.35 70.51 70.55	70.67 70.83 70.83	70.71 70.83 70.83	70.55 70.67 70.67	70.39 70.51 70.51	70.28 70.40 70.40	4%	4%	14.234	10.734	24.968
155+020	268682.43	3180246.875	71.213	DES.READ ACT.READ DEF	70.26 70.35 70.46	70.51 70.67 70.78	70.83 70.94 70.94	70.83 70.94 70.94	70.67 70.78 70.78	70.51 70.62 70.62	70.40 70.51 70.51	4%	4%	14.234	10.734	24.968
155+040	268667.803	3180233.234	71.326	DES.READ ACT.READ DEF	70.37 70.46 70.57	70.62 70.73 70.73	70.78 70.89 70.89	70.83 70.94 70.94	70.67 70.78 70.78	70.51 70.62 70.62	70.40 70.51 70.51	4%	4%	14.234	10.734	24.968
155+060	268653.176	3180219.594	71.440	DES.READ ACT.READ DEF	70.48 70.57 70.69	70.73 70.85 70.85	70.89 71.01 71.01	71.05 71.17 71.17	70.89 71.01 71.01	70.73 70.85 70.85	70.62 70.74 70.74	4%	4%	14.234	10.734	24.968
155+080	268638.55	3180205.953	71.553	DES.READ ACT.READ DEF	70.60 70.69 70.85	70.85 71.01 71.01	71.01 71.17 71.17	71.17 71.33 71.33	71.01 71.17 71.17	70.85 71.01 71.01	70.74 70.85 70.85	4%	4%	14.234	10.734	24.968
155+100	268623.923	3180192.313	71.666	DES.READ ACT.READ DEF	70.74 70.83 70.94	71.01 71.17 71.17	71.17 71.33 71.33	71.33 71.49 71.49	71.17 71.33 71.33	71.01 71.17 71.17	70.85 71.01 71.01	4%	4%	14.234	10.734	24.968

المهندس الاستشاري

مهندس الطرق

12-12-2023



مشروع القطار السريع (أكتوبر / اسوان) النطاق الأول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500
الشركة المصرية لتجارة الحديد والاسمنت

CUT	SIT
FILL	STATION
D.I.	69.281 69.394 69.507 69.621 69.734 69.847 69.961 70.074 70.187 70.3 70.414 70.527 70.64 70.754 70.867 70.98 71.094 71.207 71.32 71.433 71.547 71.66 71.773 71.887 72 72.113
fema	68.381 68.494 68.607 68.721 68.834 68.947 69.061 69.174 69.287 69.4 69.514 69.627 69.74 69.854 69.967 70.08 70.194 70.307 70.42 70.533 70.647 70.76 70.873 70.987 71.1 71.213
NGL	67.574 67.645 67.615 67.645 67.873 67.987 68.23 68.13 67.896 68.083 68.25 68.031 67.67 67.652 68.009 67.988 68.117 67.999 67.85 68.089 68.224 68.202 68.55 68.497 68.148 67.979
0.25	68.131 68.244 68.357 68.471 68.584 68.697 68.811 68.924 69.037 69.15 69.264 69.377 69.49 69.604 69.717 69.83 69.944 70.057 70.17 70.283 70.397 70.51 70.623 70.737 70.85 70.963
0.50	67.994 68.107 68.221 68.334 68.447 68.561 68.674 68.787 68.9 69.014 69.127 69.24 69.354 69.467 69.58 69.694 69.807 69.92 70.033 70.147 70.26 70.373 70.487 70.6 70.713
0.75	67.744 67.857 67.971 68.084 68.197 68.311 68.424 68.537 68.65 68.764 68.877 68.99 69.104 69.217 69.33 69.444 69.557 69.67 69.783 69.897 70.01 70.123 70.237 70.35 70.463
1.00	67.607 67.721
1.25	
1.50	
1.75	
2.00	
2.50	
3.00	
3.50	
4.00	
4.50	
5.00	
5.50	
DIFF	0.407 0.849 1.192 1.076 0.961 0.56 0.831 1.044 1.391 1.317 1.264 1.596 2.07 2.202 1.958 2.092 2.077 2.308 2.57 2.444 2.423 2.558 2.323 2.49 2.952 3.234
LAYER	0.25 0.75 1 1 0.75 0.75 0.75 1 1.25 1.25 1.25 1.5 2 2 1.75 2 2 2 2.5 2 2 2.5 2 2 2.5 3
THICK OF LAYER	0.157 0.099 0.192 0.076 0.211 0.21 0.081 0.044 0.141 0.067 0.014 0.096 0.07 0.202 0.208 0.092 0.077 0.308 0.07 0.444 0.423 0.058 0.323 0.49 0.452 0.234

المستشاري

مهندس المقال

Delivered

22/2/14



مجلس الوزراء
الهيئة العامة
للتنظيم والإدارة

ENTRANS
CONSULTING

الهيئة العامة للإعانة
والتنظيم والإدارة

وزارة النقل
Ministry of Transport and Infrastructure

مشروع القطار السريع (أكتوبر / اسوان) القطاع الأول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500
الشركة المصرية لتجارة الحديد والاسمنت

SIT	155+040	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500
DL	72.226	72.34	72.453	72.566	72.68	72.793	72.906	73.019	73.133	73.246	73.359	73.473	73.586	73.699	73.811	73.914	74.004	74.081	74.147	74.2	74.243	74.283	74.323	74.363
kerma	71.326	71.44	71.553	71.666	71.78	71.893	72.006	72.119	72.233	72.346	72.459	72.573	72.686	72.799	72.911	73.014	73.104	73.181	73.247	73.3	73.343	73.383	73.423	73.463
NGL	67.982	66.772	66.75	67.843	68.104	68.124	68.089	68.542	68.764	69.004	68.863	68.787	68.593	69.193	69.438	70.113	69.732	67.935	67.92	69.893	69.719	69.43	69.859	70.234
0.25	71.076	71.19	71.303	71.416	71.53	71.643	71.756	71.869	71.983	72.096	72.209	72.323	72.436	72.549	72.661	72.764	72.854	72.931	72.997	73.05	73.093	73.133	73.173	73.213
0.50	70.826	70.94	71.053	71.166	71.28	71.393	71.506	71.619	71.733	71.846	71.959	72.073	72.186	72.299	72.411	72.514	72.604	72.681	72.747	72.8	72.843	72.883	72.923	72.963
0.75	70.576	70.69	70.803	70.916	71.03	71.143	71.256	71.369	71.483	71.596	71.709	71.823	71.936	72.049	72.161	72.264	72.354	72.431	72.497	72.55	72.593	72.633	72.673	72.713
1.00	70.326	70.44	70.553	70.666	70.78	70.893	71.006	71.119	71.233	71.346	71.459	71.573	71.686	71.799	71.911	72.014	72.104	72.181	72.247	72.3	72.343	72.383	72.423	72.463
1.25	70.076	70.19	70.303	70.416	70.53	70.643	70.756	70.869	70.983	71.096	71.209	71.323	71.436	71.549	71.661	71.764	71.854	71.931	71.997	72.05	72.093	72.133	72.173	72.213
1.50	69.826	69.94	70.053	70.166	70.28	70.393	70.506	70.619	70.733	70.846	70.959	71.073	71.186	71.299	71.411	71.514	71.604	71.681	71.747	71.8	71.843	71.883	71.923	71.963
1.75	69.576	69.69	69.803	69.916	70.03	70.143	70.256	70.369	70.483	70.596	70.709	70.823	70.936	71.049	71.161	71.264	71.354	71.431	71.497	71.55	71.593	71.633	71.673	71.713
2.00	69.326	69.44	69.553	69.666	69.78	69.893	70.006	70.119	70.233	70.346	70.459	70.573	70.686	70.799	70.911	71.014	71.104	71.181	71.247	71.3	71.343	71.383	71.423	71.463
2.50	68.826	68.94	69.053	69.166	69.28	69.393	69.506	69.619	69.733	69.846	69.959	70.073	70.186	70.299	70.411	70.514	70.604	70.681	70.747	70.8	70.843	70.883	70.923	70.963
3.00	68.326	68.44	68.553	68.666	68.78	68.893	69.006	69.119	69.233	69.346	69.459	69.573	69.686	69.799	69.911		70.104	70.181	70.247	70.3	70.343	70.383	70.423	70.463
3.50		67.94	68.053	68.166	68.28	68.393	68.506	68.619		68.959	69.073	69.186	69.299					69.681	69.747		69.843	69.883	69.923	
4.00		67.44	67.553															69.181	69.247					
4.50		66.94	67.053															68.681	68.747					
5.00																		68.181	68.247					
5.50																								
DIFF	3.344	4.668	4.803	3.823	3.676	3.769	3.917	3.577	3.469	3.342	3.596	3.786	3.693	3.606	3.473	2.901	3.372	5.246	5.327	3.407	3.624	3.953	3.564	3.229
LAYER	3	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	3.5	2.5	3	2.5	3	5	5	3	3.5	3.5	3.5	3
THICK OF LAYER	0.344	0.168	0.303	0.323	0.176	0.269	0.417	0.077	0.469	0.342	0.096	0.286	0.193	1.106	0.473	0.401	0.372	0.246	0.327	0.407	0.124	0.453	0.064	0.229

مهندس الاستشاري
R. احمد / م

مهندس الماكول
R. احمد / م

ميول وعروض طبقات الردم - (34 م ردم)

Typical Fill 1

في حالة طريق الخدمة في الجهة اليسرى ويحدد قناتاً جانبية

العرض في الجانب الأيسر	العرض في الجانب الأيمن	ميول الطبقة في الجانبين	الانخفاض الطبقة عن TOE - مسلوب التسوية	رقم الطبقة
-13.436	9.936	4%	0	1
-13.835	10.335	4%	0.25	2
-14.234	10.734	4%	0.5	3
-14.633	11.133	4%	0.75	4
-15.032	11.532	4%	1	5
-15.188	11.743	3%	1.25	6
-15.340	11.948	2%	1.5	7
-15.487	12.147	1%	1.75	8
-15.630	12.340	0%	2	9
-16.005	12.715	0%	2.25	10
-16.380	13.090	0%	2.5	11
-16.755	13.465	0%	2.75	12
-17.130	13.840	0%	3	13
-17.505	14.215	0%	3.25	14
-17.880	14.590	0%	3.5	15
-18.255	14.965	0%	3.75	16
-18.630	15.340	0%	4	17
-19.005	15.715	0%	4.25	18
-19.380	16.090	0%	4.5	19
-19.755	16.465	0%	4.75	20
-20.130	16.840	0%	5	21
-20.505	17.215	0%	5.25	22
-20.880	19.590	0%	5.5	23
-23.255	19.965	0%	5.75	24
-23.630	20.340	0%	6	25
-24.005	20.715	0%	6.25	26
-24.380	21.090	0%	6.5	27
-24.755	21.465	0%	6.75	28

مدير المشروع

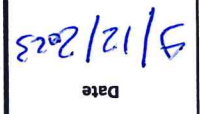
م. رمضان سعيد

المراقب ب. محمد خنجر

مدير المكتب الفني

م. محمد مصطفى الهادي

١-١-٢٠١٤

					
Request No	L-132	Date	9/12/2023		
Electric Express Train - HSR From October to Aswan		OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)		GARB Consultant 	
Request for Inspection					
We request your attendance to inspect the following works :					
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey					
Inspection time :		Date :			
Location :		INSPECTION ZONE		From Station	155+340
				To Station	155+520
References		Inspection : ☒ First ☐ Second ☐ Other			
Purpose of the Inspection :					
1. Earthworks ☒ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing 4. Surveying ☐ Setting out ☐ Levels ☐ Vertically ☐ NGL					
Others (specify) Particular Details Submitted by : Signature :					
Surveying systems Signature :		Surveyor Signature :			
Inspection Report : The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Review & Resubmit (C) ☐ Rejected (D)		Inspection Report : The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Review & Resubmit (C) ☐ Rejected (D)			
Entrans Consulting Signature :		Resident Engineer Arch. Eng. E/M Eng. Civil Eng. Structural Eng.			
Engineer's Representative " SYSTRA " comments :		The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Review & Resubmit (C) ☐ Rejected (D)			
Date : 9/12/2023		Signature :			
Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.					

الشرحية المرفقة بالملحق ١٥٧/٥
 في ١٥/١٢/٢٠٢٣



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)



كرد الارتفاع	
الارتفاع	
مستوى سطح الطريق	

Station	
From	TO
155+340	155+520

الارتفاع: 1.50 م

Station	TOP OF SUB GRADE (CENTER)				LEFT				P.G.C.L		Right			SUPER ELEV/L	SUPER ELEV/R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL		15.340	12.00	8.00	4.00		4.00	8.00	11.948	L			R		
155+340	268448.40	3180028.63	73.014	EXIST LEVEL	71.21	71.27	71.35	71.43	71.51	71.43	71.35	71.28	2%	15.340	11.948	27.288		
				DES.READ														
				ACT.READ														
				DEF	+2	-2	+3	+2	-1	+2	-2	-1						
				EXIST LEVEL	71.30	71.36	71.44	71.52	71.60	71.52	71.44	71.37						
155+360	268433.78	3180014.99	73.104	DES.READ								2%	15.340	11.948	27.288			
				ACT.READ														
				DEF	+2	-1	+2	-2	+3	+2	-1					+2		
				EXIST LEVEL	71.37	71.44	71.52	71.60	71.68	71.60	71.52					71.44		
				DES.READ														
155+380	268419.15	3180001.35	73.181	ACT.READ								2%	15.340	11.948	27.288			
				DEF	+2	+2	-1	+2	-3	+2	-1					+2		
				EXIST LEVEL	71.44	71.51	71.59	71.67	71.75	71.67	71.59					71.51		
				DES.READ														
				ACT.READ														
155+400	268404.53	3179987.71	73.247	ACT.READ								2%	15.340	11.948	27.288			
				DEF	+3	+2	-1	+2	-1	+2	-2					+3		
				EXIST LEVEL	71.49	71.56	71.64	71.72	71.80	71.72	71.64					71.56		
				DES.READ														
				ACT.READ														
155+420	268389.90	3179974.07	73.300	DES.READ								2%	15.340	11.948	27.288			
				ACT.READ														
				DEF	+2	-1	+2	-1	+2	-1	+2					-1		
				EXIST LEVEL	71.54	71.60	71.68	71.76	71.84	71.76	71.68					71.60		
				DES.READ														
155+440	268375.27	3179960.42	73.343	ACT.READ								2%	15.340	11.948	27.288			
				DEF	+2	-1	+2	-1	+2	-1	+2					-1		
				EXIST LEVEL	71.58	71.64	71.72	71.80	71.88	71.80	71.72					71.64		
				DES.READ														
				ACT.READ														
155+460	268360.65	3179946.78	73.383	DES.READ								2%	15.340	11.948	27.288			
				ACT.READ														
				DEF	+2	-2	+3	+2	+2	-1	+2					-2		
				EXIST LEVEL	71.62	71.68	71.76	71.84	71.92	71.84	71.76					71.68		
				DES.READ														
155+480	268346.02	3179933.14	73.423	ACT.READ								2%	15.340	11.948	27.288			
				DEF	+3	+2	-1	+2	-1	+2	-1					+2		
				EXIST LEVEL	71.66	71.72	71.80	71.88	71.96	71.88	71.80					71.72		
				DES.READ														
				ACT.READ														
155+500	268331.39	3179919.50	73.463	DES.READ								2%	15.340	11.948	27.288			
				ACT.READ														
				DEF	+3	+2	-1	+2	-1	+2	-2					+3		
				EXIST LEVEL	71.70	71.76	71.84	71.92	72.00	71.92	71.84					71.76		
				DES.READ														
155+520	268316.77	3179905.86	73.503	ACT.READ								2%	15.340	11.948	27.288			
				DEF	+3	+2	-1	+2	-2	+3	+2					-1		
				EXIST LEVEL														
				DES.READ														
				ACT.READ														

المهندس المشرف

مهندس الشريعة

Handwritten signature in blue ink.

SIT	155+040	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500
REL	155+040	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500
D.I.	72.226	72.34	72.453	72.566	72.68	72.793	72.906	73.019	73.133	73.246	73.359	73.473	73.586	73.699	73.811	73.914	74.004	74.081	74.147	74.2	74.243	74.283	74.323	74.363
Term	71.326	71.44	71.553	71.666	71.78	71.893	72.006	72.119	72.233	72.346	72.459	72.573	72.686	72.799	72.911	73.014	73.104	73.181	73.247	73.3	73.343	73.383	73.423	73.463
NGI	67.982	66.772	66.75	67.843	68.104	68.124	68.089	68.542	68.764	69.004	68.863	68.787	68.993	69.193	69.438	70.113	69.732	67.935	67.92	69.893	69.719	69.43	69.859	70.234
0.25	71.076	71.19	71.303	71.416	71.53	71.643	71.756	71.869	71.983	72.096	72.209	72.323	72.436	72.549	72.661	72.764	72.854	72.931	72.997	73.05	73.093	73.133	73.173	73.213
0.50	70.826	70.94	71.053	71.166	71.28	71.393	71.506	71.619	71.733	71.846	71.959	72.073	72.186	72.299	72.411	72.514	72.604	72.681	72.747	72.8	72.843	72.883	72.923	72.963
0.75	70.576	70.69	70.803	70.916	71.03	71.143	71.256	71.369	71.483	71.596	71.709	71.823	71.936	72.049	72.161	72.264	72.354	72.43	72.497	72.55	72.593	72.633	72.673	72.713
1.00	70.326	70.44	70.553	70.666	70.78	70.893	71.006	71.119	71.233	71.346	71.459	71.573	71.686	71.799	71.911	72.014	72.104	72.181	72.247	72.3	72.343	72.383	72.423	72.463
1.25	70.076	70.19	70.303	70.416	70.53	70.643	70.756	70.869	70.983	71.096	71.209	71.323	71.436	71.549	71.661	71.764	71.854	71.931	71.997	72.05	72.093	72.133	72.173	72.213
1.50	69.826	69.94	70.053	70.166	70.28	70.393	70.506	70.619	70.733	70.846	70.959	71.073	71.186	71.299	71.411	71.514	71.604	71.681	71.747	71.8	71.843	71.883	71.923	71.963
1.75	69.576	69.69	69.803	69.916	70.03	70.143	70.256	70.369	70.483	70.596	70.709	70.823	70.936	71.049	71.161	71.264	71.354	71.431	71.497	71.55	71.593	71.633	71.673	71.713
2.00	69.326	69.44	69.553	69.666	69.78	69.893	70.006	70.119	70.233	70.346	70.459	70.573	70.686	70.799	70.911	71.014	71.104	71.181	71.247	71.3	71.343	71.383	71.423	71.463
2.50	69.826	68.94	69.053	69.166	69.28	69.393	69.506	69.619	69.733	69.846	69.959	70.073	70.186	70.299	70.411	70.514	70.604	70.681	70.747	70.8	70.843	70.883	70.923	70.963
3.00	68.326	68.44	68.553	68.666	68.78	68.893	69.006	69.119	69.233	69.346	69.459	69.573	69.686	69.799	69.911	70.104	70.181	70.247	70.3	70.343	70.383	70.423	70.463	70.503
3.50	67.94	68.053	68.166	68.28	68.393	68.506	68.619	68.729	68.839	68.949	69.073	69.186	69.299	69.409	69.514	69.604	69.681	69.747	69.8	69.843	69.883	69.923	70.003	
4.00	67.44	67.553																69.181	69.247					
4.50	66.94	67.053																68.681	68.747					
5.00																		68.181	68.247					
5.50																								
DIF	3.244	4.668	4.803	3.823	3.676	3.769	3.917	3.577	3.469	3.342	3.296	3.786	3.693	3.606	3.473	2.901	3.372	5.246	5.327	3.407	3.624	3.553	3.564	3.229
LAYER	3	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	3.5	2.5	3	2.5	3	5	5	3	3.5	3.5	3.5	3
THICK OF LAYER	0.344	0.168	0.303	0.323	0.176	0.269	0.417	0.077	0.469	0.342	0.096	0.286	0.193	1.106	0.473	0.401	0.372	0.246	0.327	0.407	0.124	0.453	0.064	0.229



Thrams

الهيئة القومية للطرق



مشروع القطار السريع (أكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

SIT	155+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820	155+840	155+860	155+880	155+900	155+920	155+940	155+960	155+980	156+000
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station	74.403	74.443	74.483	74.523	74.563	74.603	74.643	74.683	74.723	74.763	74.803	74.843	74.883	74.923	74.964	75.004	75.044	75.084	75.124	75.164	75.204	75.244	75.284	75.324	75.364
D.L	74.403	74.443	74.483	74.523	74.563	74.603	74.643	74.683	74.723	74.763	74.803	74.843	74.883	74.923	74.964	75.004	75.044	75.084	75.124	75.164	75.204	75.244	75.284	75.324	75.364
fema	73.503	73.543	73.583	73.623	73.663	73.703	73.743	73.783	73.823	73.863	73.903	73.943	73.983	74.023	74.064	74.104	74.144	74.184	74.224	74.264	74.304	74.344	74.384	74.424	74.464
NCL	70.446	70.398	69.955	69.932	69.812	69.921	70.041	70.515	70.555	70.864	70.99	70.588	70.876	71.74	71.848	73.302	72.871	73.23	73.31	73.26	73.28	73.27	73.34	73.41	73.48
0.25	73.253	73.293	73.333	73.373	73.413	73.453	73.493	73.533	73.573	73.613	73.653	73.693	73.733	73.773	73.814	73.854	73.894	73.934	73.974	74.014	74.054	74.094	74.134	74.174	74.214
0.50	73.003	73.043	73.083	73.123	73.163	73.203	73.243	73.283	73.323	73.363	73.403	73.443	73.483	73.523	73.564	73.604	73.644	73.684	73.724	73.764	73.804	73.844	73.884	73.924	73.964
0.75	72.753	72.793	72.833	72.873	72.913	72.953	72.993	73.033	73.073	73.113	73.153	73.193	73.233	73.273	73.314	73.354	73.394	73.434	73.474	73.514	73.554	73.594	73.634	73.674	73.714
1.00	72.503	72.543	72.583	72.623	72.663	72.703	72.743	72.783	72.823	72.863	72.903	72.943	72.983	73.023	73.064	73.104	73.144	73.184	73.224	73.264	73.304	73.344	73.384	73.424	73.464
1.25	72.253	72.293	72.333	72.373	72.413	72.453	72.493	72.533	72.573	72.613	72.653	72.693	72.733	72.773	72.814	72.854	72.894	72.934	72.974	73.014	73.054	73.094	73.134	73.174	73.214
1.50	72.003	72.043	72.083	72.123	72.163	72.203	72.243	72.283	72.323	72.363	72.403	72.443	72.483	72.523	72.564	72.604	72.644	72.684	72.724	72.764	72.804	72.844	72.884	72.924	72.964
1.75	71.753	71.793	71.833	71.873	71.913	71.953	71.993	72.033	72.073	72.113	72.153	72.193	72.233	72.273	72.314	72.354	72.394	72.434	72.474	72.514	72.554	72.594	72.634	72.674	72.714
2.00	71.503	71.543	71.583	71.623	71.663	71.703	71.743	71.783	71.823	71.863	71.903	71.943	71.983	72.023	72.064	72.104	72.144	72.184	72.224	72.264	72.304	72.344	72.384	72.424	72.464
2.50	71.003	71.043	71.083	71.123	71.163	71.203	71.243	71.283	71.323	71.363	71.403	71.443	71.483	71.523	71.564	71.604	71.644	71.684	71.724	71.764	71.804	71.844	71.884	71.924	71.964
3.00	70.503	70.543	70.583	70.623	70.663	70.703	70.743	70.783	70.823	70.863	70.903	70.943	70.983	71.023	71.064	71.104	71.144	71.184	71.224	71.264	71.304	71.344	71.384	71.424	71.464
3.50	70.003	70.043	70.083	70.123	70.163	70.203	70.243	70.283	70.323	70.363	70.403	70.443	70.483	70.523	70.564	70.604	70.644	70.684	70.724	70.764	70.804	70.844	70.884	70.924	70.964
4.00	69.503	69.543	69.583	69.623	69.663	69.703	69.743	69.783	69.823	69.863	69.903	69.943	69.983	70.023	70.064	70.104	70.144	70.184	70.224	70.264	70.304	70.344	70.384	70.424	70.464
4.50	69.003	69.043	69.083	69.123	69.163	69.203	69.243	69.283	69.323	69.363	69.403	69.443	69.483	69.523	69.564	69.604	69.644	69.684	69.724	69.764	69.804	69.844	69.884	69.924	69.964
5.00	68.503	68.543	68.583	68.623	68.663	68.703	68.743	68.783	68.823	68.863	68.903	68.943	68.983	69.023	69.064	69.104	69.144	69.184	69.224	69.264	69.304	69.344	69.384	69.424	69.464
5.50	68.003	68.043	68.083	68.123	68.163	68.203	68.243	68.283	68.323	68.363	68.403	68.443	68.483	68.523	68.564	68.604	68.644	68.684	68.724	68.764	68.804	68.844	68.884	68.924	68.964
DIFF	3.057	3.145	3.623	3.691	3.851	3.782	3.702	3.268	3.268	2.999	2.913	3.355	3.107	2.283	2.116	0.802	1.273	0.954	0.914	1.004	1.024	1.074	1.044	1.024	0.984
LAVER	3	3	3.5	3.5	3.5	3.5	3	3	3	2.5	2.5	3	3	2	2	0.75	1	0.25	0	0	0.25	0.5	1	0.75	0.5
THICK OF LAVER	0.057	0.145	0.128	0.191	0.351	0.282	0.702	0.268	0.268	0.499	0.413	0.355	0.107	0.283	0.116	0.052	0.273	0.704	0.914	1.004	0.774	0.574	0.044	0.274	0.484

Approved

Pauline

ميول وعروض طبقات الردم - (34 م ردم)

في حالة طريق الخدمة في الجهة اليسرى وبيوت قناة جانبية

Typical Fill 1

رقم الطبقة	انخفاض الطبقة عن مستوى التسوية TOE	ميول الطبقة في الجانبين	العرض في الجانب اليمين	العرض في الجانب اليسر
1	0	4%	9.936	-13.436
2	0.25	4%	10.335	-13.835
3	0.5	4%	10.734	-14.234
4	0.75	4%	11.133	-14.633
5	1	4%	11.532	-15.032
6	1.25	3%	11.743	-15.188
7	1.5	2%	11.948	-15.340
8	1.75	1%	12.147	-15.487
9	2	0%	12.340	-15.630
10	2.25	0%	12.715	-16.005
11	2.5	0%	13.090	-16.380
12	2.75	0%	13.465	-16.755
13	3	0%	13.840	-17.130
14	3.25	0%	14.215	-17.505
15	3.5	0%	14.590	-17.880
16	3.75	0%	14.965	-18.255
17	4	0%	15.340	-18.630
18	4.25	0%	15.715	-19.005
19	4.5	0%	16.090	-19.380
20	4.75	0%	16.465	-19.755
21	5	0%	16.840	-20.130
22	5.25	0%	17.215	-20.505
23	5.5	0%	19.590	-20.880
24	5.75	0%	19.965	-23.255
25	6	0%	20.340	-23.630
26	6.25	0%	20.715	-24.005
27	6.5	0%	21.090	-24.380
28	6.75	0%	21.465	-24.755

مدير المشروع

م. شعبان سعيد

الموافق ١٠/١٢/٢٠١٩

مدير المكتب الفني

م. عمر مصطفى الهادي

١٠/١٢/٢٠١٩

					
Employer Consultant OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)		Contractor GARB Consultant		Request for Inspection From October to Aswan Electric Express Train - HSR	
Request No L-128		Date 21/11/2023		Request for Inspection From October to Aswan Electric Express Train - HSR	
Discipline : ☐ Civil/Slope Protection ☐ Structure ☒ Drainage ☒ Survey		Inspection time : Date :			
Location : INSPECTION ZONE		From Station 155+340		To Station 155+520	
References		Inspection : ☒ First ☐ Second ☐ Third			
Purpose of the inspection :					
1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☒ Setting out ☐ Levels ☐ Vertically ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing					
Particular Details Others (specify) :					
Submitted by : Signature :					
Inspection Report : Surveying systems Signature :		The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D)			
Inspection Report : Entrans Consulting Signature :		The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D)			
Structural Eng. Signature :		Resident Engineer Signature :			
Civil Eng. Signature :		Engineer's Representative " SYSTRA " comments : Date : 22/11/2023			
EM Eng. Signature :		Signature : Date : / /			
Arch. Eng. Signature :		Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.			

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		وسلم الأصل للهيئة العامة للطرق والجسور والبنية التحتية ونسخه للجهاز الاستشاري	
Signature : _____ Date : / /			
Engineer's Representative " SYSTRA " comments : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Arch. Eng. _____		E/M Eng. _____	
Civil Eng. _____		Structural Eng. _____	
Inspection Report : Entrens Consulting			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Signature _____		Signature _____	
Inspection Report : Surveying systems			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Signature _____		Signature _____	
Submitted by : _____			
Particular Details			
Others (specify) _____			
Purpose of the inspection :			
☐ 1. Earthworks ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection ☐ 4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL ☐ 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Earthing			
Inspection : ☐ First ☒ Second ☐ Third			
References			
Location :		INSPECTION ZONE	
From Station 154+700		To Station 154+840	
Inspection time : _____ Date : _____			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for inspection			
Contractor		Employer Consultant	
OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)		Electric Express Train - HSR From october to Aswan	
GARB Consultant		Date	
9-12-2023		L-137	
Request No		Request No	

Request for Inspection We request your attendance to inspect the following works :		Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		وسلم للاعمال للهيئة العامة للطرق والكباري ونسبته للجهات الاستشارية والمقاولين				
Request No	L-137	Electric Express Train - HSR From october to Aswan	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	Contractor 	GARB Consultant 			
						Date 5-12-2023		
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey								
Inspection time :								
Location :		INSPECTION ZONE From Station 154+700 To Station 154+840		References				
Inspection : ☒ First ☐ Second ☐ Third								
Purpose of the inspection :								
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> 1. Earthworks ☒ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☒ Embankment </td> <td style="width: 33%; vertical-align: top;"> 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other </td> <td style="width: 33%; vertical-align: top;"> 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concrete ☐ Earthing </td> </tr> </table>						1. Earthworks ☒ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☒ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other	3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concrete ☐ Earthing
1. Earthworks ☒ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☒ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other	3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concrete ☐ Earthing						
Particular Details Others (specify) _____ LAYER(Ferma) BACKFILL								
Submitted by : _____ Signature : _____								
Inspection Report :		Surveying systems 5-12-2023 Approved as noted						
The work have found to be :		☐ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)						
Surveyor Signature		Entrans Consulting Signature						
Inspection Report :		Resident Engineer Structural Eng. Civil Eng. E/M Eng. Arch. Eng.						
The work have found to be :		☐ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)						
Engineer's Representative "SYSTRA" comments :		Signature : _____ Date : / /						
Signature : _____ Date : / /								



OCTOBER AS'WAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)



Station	154+700
From	154+700
To	154+840

Station	154+700
From	154+700
To	154+840

Forma 154.1

Station	TOP OF SUB GRADE (CENTER)				Left					P.G.C.L		Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL		13.436	12	8	4			4	8	9.936				L	R	
154+700	268916.455	3180465.123	69.40	DES.READ ACT.READ DEF	69.86	69.92	69.08	69.24	69.40	69.24	69.08	69.00	4%	4%	13.436	9.936			23.372
154+710	268909.14	3180458.30	69.46	DES.READ ACT.READ DEF	69.92	69.98	69.14	69.30	69.46	69.30	69.14	69.06	4%	4%	13.436	9.936			23.372
154+720	268901.828	3180451.482	69.51	DES.READ ACT.READ DEF	69.98	69.03	69.19	69.35	69.51	69.35	69.19	69.12	4%	4%	13.436	9.936			23.372
154+730	268894.52	3180444.66	69.57	DES.READ ACT.READ DEF	69.03	69.09	69.25	69.41	69.57	69.41	69.25	69.17	4%	4%	13.436	9.936			23.372
154+740	268887.202	3180437.842	69.63	DES.READ ACT.READ DEF	69.09	69.15	69.31	69.47	69.63	69.47	69.31	69.23	4%	4%	13.436	9.936			23.372
154+750	268879.89	3180431.02	69.68	DES.READ ACT.READ DEF	69.15	69.20	69.36	69.52	69.68	69.52	69.36	69.29	4%	4%	13.436	9.936			23.372
154+760	268872.575	3180424.201	69.74	DES.READ ACT.READ DEF	69.20	69.26	69.42	69.58	69.74	69.58	69.42	69.34	4%	4%	13.436	9.936			23.372
154+770	268865.26	3180417.38	69.80	DES.READ ACT.READ DEF	69.26	69.32	69.48	69.64	69.80	69.64	69.48	69.40	4%	4%	13.436	9.936			23.372
154+780	268857.948	3180410.561	69.85	DES.READ ACT.READ DEF	69.32	69.37	69.53	69.69	69.85	69.69	69.53	69.46	4%	4%	13.436	9.936			23.372
154+790	268850.64	3180403.74	69.91	DES.READ ACT.READ DEF	69.37	69.43	69.59	69.75	69.91	69.75	69.59	69.51	4%	4%	13.436	9.936			23.372
154+800	268843.322	3180396.92	69.97	DES.READ ACT.READ DEF	69.43	69.49	69.65	69.81	69.97	69.81	69.65	69.57	4%	4%	13.436	9.936			23.372
154+810	268836.01	3180390.10	70.02	DES.READ ACT.READ DEF	69.49	69.54	69.70	69.86	70.02	69.86	69.70	69.63	4%	4%	13.436	9.936			23.372
154+820	268828.695	3180383.28	70.08	DES.READ ACT.READ DEF	69.54	69.60	69.76	69.92	70.08	69.92	69.76	69.68	4%	4%	13.436	9.936			23.372
154+830	268821.38	3180376.46	70.14	DES.READ ACT.READ DEF	69.60	69.66	69.82	69.98	70.14	69.98	69.82	69.74	4%	4%	13.436	9.936			23.372
154+840	268814.069	3180369.639	70.19	DES.READ ACT.READ DEF	69.66	69.71	69.87	70.03	70.19	70.03	69.87	69.80	4%	4%	13.436	9.936			23.372

9-12-2023

المهندس المهندس



سوق تجميع بيشمير
المشروع

Tirans

الهيئة القومية لقطاع
الطرق



وزارة النقل
مكتب الدراسات والبحوث



مشروع القطار السريع (اكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من 154+000 الى 157+500
الشركة المصرية لتجارة الحديد والاسمنت

ST	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020
station	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020
DL	69.281	69.394	69.507	69.621	69.734	69.847	69.961	70.074	70.187	70.3	70.414	70.527	70.64	70.754	70.867	70.98	71.094	71.207	71.32	71.433	71.547	71.66	71.773	71.887	72	72.113
forma	68.381	68.494	68.607	68.721	68.834	68.947	69.061	69.174	69.287	69.4	69.514	69.627	69.74	69.854	69.967	70.08	70.194	70.307	70.42	70.533	70.647	70.76	70.873	70.987	71.1	71.213
NGL	67.974	67.645	67.415	67.645	67.873	67.987	68.23	68.13	67.896	68.083	68.25	68.031	67.67	67.652	68.009	67.988	68.117	67.999	67.85	68.089	68.224	68.202	68.55	68.497	68.148	67.979
0.25	68.131	68.244	68.357	68.471	68.584	68.697	68.811	68.924	69.037	69.15	69.264	69.377	69.49	69.604	69.717	69.83	69.944	70.057	70.17	70.283	70.397	70.51	70.623	70.737	70.85	70.963
0.50		67.994	68.107	68.221	68.334	68.447	68.561	68.674	68.787	68.9	69.014	69.127	69.24	69.354	69.467	69.58	69.694	69.807	69.92	70.033	70.147	70.26	70.373	70.487	70.6	70.713
0.75		67.744	67.857	67.971	68.084	68.197	68.311	68.424	68.537	68.65	68.764	68.877	68.99	69.104	69.217	69.33	69.444	69.557	69.67	69.783	69.897	70.01	70.123	70.237	70.35	70.463
1.00			67.607	67.721				68.174	68.287	68.4	68.514	68.627	68.74	68.854	68.967	69.08	69.194	69.307	69.42	69.533	69.647	69.76	69.873	69.987	70.1	70.213
1.25								68.037	68.15		68.264	68.377	68.49	68.604	68.717	68.83	68.944	69.057	69.17	69.283	69.397	69.51	69.623	69.737	69.85	69.963
1.50											68.127	68.24	68.354	68.467	68.58	68.694	68.807	68.92	69.033	69.147	69.26	69.373	69.487	69.6	69.713	
1.75												67.99	68.104	68.217	68.33	68.444	68.557	68.67	68.783	68.897	69.01	69.123	69.237	69.35	69.463	
2.00													67.74	67.854		68.08	68.194	68.307	68.42	68.533	68.647	68.76	68.873	68.987	69.1	69.213
2.50																		67.92				68.26			68.6	68.713
3.00																										68.213
3.50																										
4.00																										
4.50																										
5.00																										
5.50																										
DIFF	0.407	0.849	1.192	1.076	0.961	0.96	0.831	1.044	1.391	1.317	1.264	1.596	2.07	2.202	1.958	2.092	2.077	2.308	2.57	2.444	2.423	2.558	2.323	2.49	2.592	3.234
LAYER	0.25	0.75	1	1	0.75	0.75	0.75	1	1.25	1.25	1.25	1.5	2	2	1.75	2	2	2	2.5	2	2	2.5	2	2	2.5	3
THICK OF LAYER	0.157	0.099	0.192	0.076	0.211	0.21	0.081	0.044	0.141	0.067	0.014	0.096	0.07	0.202	0.208	0.092	0.077	0.308	0.07	0.444	0.423	0.058	0.323	0.49	0.452	0.234

مهندس الاستشاري

Dr. H. H. H. H. H.

مهندس المقاوم

Dr. H. H. H. H. H.

ميول وعروض طبقات الردم - (34 م ردم)

في حالة طريق الخدمة في الجهة اليسرى وبدون قناة جانبية

Typical Fill 1

العرض في الجانب اليسر	العرض في الجانب اليمين	ميول الطبقة في الجانبين	التخفيض الطبقة عن مستوى التسوية - TOE	رقم الطبقة
-13.436	9.936	4%	0	1
-13.835	10.335	4%	0.25	2
-14.234	10.734	4%	0.5	3
-14.633	11.133	4%	0.75	4
-15.032	11.532	4%	1	5
-15.188	11.743	3%	1.25	6
-15.340	11.948	2%	1.5	7
-15.487	12.147	1%	1.75	8
-15.630	12.340	0%	2	9
-16.005	12.715	0%	2.25	10
-16.380	13.090	0%	2.5	11
-16.755	13.465	0%	2.75	12
-17.130	13.840	0%	3	13
-17.505	14.215	0%	3.25	14
-17.880	14.590	0%	3.5	15
-18.255	14.965	0%	3.75	16
-18.630	15.340	0%	4	17
-19.005	15.715	0%	4.25	18
-19.380	16.090	0%	4.5	19
-19.755	16.465	0%	4.75	20
-20.130	16.840	0%	5	21
-20.505	17.215	0%	5.25	22
-20.880	19.590	0%	5.5	23
-23.255	19.965	0%	5.75	24
-23.630	20.340	0%	6	25
-24.005	20.715	0%	6.25	26
-24.380	21.090	0%	6.5	27
-24.755	21.465	0%	6.75	28

مدير المشروع

م. عثمان سعيد

الرجاء قبول عرضنا لهذا

مدير المكتب الذي

م. عمر مصطفى الهادي

١٤٤٤هـ - ١٤٤٥هـ

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.			
ونسخته للجهاز الاستشاري والبرق والكمبيوتر وسلم الأصل للجهاز الاستشاري			
Signature : _____ Date : / / _____			
Engineer's Representative "SYSTRA" comments : _____ Signature _____ Date 9/12/23			
The work have found to be : ☐ Approved (A) ☐ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)			
Resident Engineer Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____			
Inspection Report : Entrans Consulting Signature _____			
The work have found to be : ☐ Approved (A) ☐ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)			
Surveyor Signature _____			
Inspection Report : Surveying systems Signature _____			
Submitted by : _____ Particular Details Others (specify) _____			
LAYER(-.75) BACKFILL			
Purpose of the inspection :			
1. Earthworks ☐ Strippling ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concrete ☐ Earthing			
Inspection : ☐ First ☐ Second ☐ Third			
References			
Location :			
INSPECTION ZONE			
From Station 154+980 To Station 155+100			
Inspection time : _____ Date : _____			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for inspection			
Contractor			
OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)			
Employer Consultant			
From october to Aswan Electric Express Train - HSR			
GARB Consultant			
Date 9-12-2023			
Request No L-136			

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change in Contract Documents.		ونسجده للجهات المختصة بالبرق والخطوط وسلم الامر للجهة العامة للطرق والكباري									
Signature : _____ Date : / /											
Engineer's Representative " SYSTRA " comments : _____											
Signature : _____ Date : / /											
The work have found to be : ☐ Approved (A) ☐ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D)											
Resident Engineer											
Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____											
Inspection Report : EnTrans Consulting Signature : _____											
The work have found to be : ☐ Approved (A) ☐ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D)											
Surveyor _____ Signature : _____											
Inspection Report : Surveying Systems Signature : _____											
Submitted by : _____											
Particular Details Others (specify) _____											
Purpose of the Inspection :											
1. Earthworks ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing											
Inspection : ☒ First ☐ Second ☐ Third											
References : _____											
Location : _____											
Inspection time : _____											
Date : _____											
Discipline : ☒ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey											
We request your attendance to inspect the following works :											
Request for Inspection											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; text-align: center;"> Request No L-136 </td> <td style="width: 20%; text-align: center;"> Employer Consultant  </td> <td style="width: 40%; text-align: center;"> Electric Express Train - HSR From October to Aswan </td> <td style="width: 20%; text-align: center;"> Contractor  </td> </tr> <tr> <td style="text-align: center;"> Date 6-12-2023 </td> <td style="text-align: center;"> GARB Consultant  </td> <td style="text-align: center;"> OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500) </td> <td></td> </tr> </table>				Request No L-136	Employer Consultant 	Electric Express Train - HSR From October to Aswan	Contractor 	Date 6-12-2023	GARB Consultant 	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	
Request No L-136	Employer Consultant 	Electric Express Train - HSR From October to Aswan	Contractor 								
Date 6-12-2023	GARB Consultant 	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)									



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAN)

هندسة
CONSULTING



Station	2401 to 2402
From	2401
TO	2402

Station	From	TO
154+980	154+980	155+100

مخطط طبقي 1:75

Station	TOP OF SUB GRADE (CENTER)			LEFT					Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL	14.533	12.00	8.00	4.00	P.G.C.L	4.00	8.00	11.133			L	R	
154+980	268711.683	3180274.156	70.987	EXIST.LEVEL	69.65	69.76	69.92	70.08	70.24	70.08	69.92	69.79	4%	14.633	11.133	25.766
				DES.READ									4%			
				ACT.READ												
				DEF	41	42	41	-2	42	-1	42	41				
155+000	268697.056	3180260.515	71.100	EXIST.LEVEL	69.76	69.87	70.03	70.19	70.35	70.19	70.03	69.90	4%	14.633	11.133	25.766
				DES.READ									4%			
				ACT.READ												
				DEF	-2	-2	42	41	-1	-2	-1	-1				
155+020	268682.43	3180246.875	71.213	EXIST.LEVEL	69.88	69.98	70.14	70.30	70.46	70.30	70.14	70.02	4%	14.633	11.133	25.766
				DES.READ									4%			
				ACT.READ												
				DEF	-2	-1	-2	42	42	41	42	41				
155+040	268667.803	3180233.234	71.326	EXIST.LEVEL	69.99	70.10	70.26	70.42	70.58	70.42	70.26	70.13	4%	14.633	11.133	25.766
				DES.READ									4%			
				ACT.READ												
				DEF	-1	42	42	41	-2	42	-1	-5				
155+060	268653.176	3180219.594	71.440	EXIST.LEVEL	70.10	70.21	70.37	70.53	70.69	70.53	70.37	70.24	4%	14.633	11.133	25.766
				DES.READ									4%			
				ACT.READ												
				DEF	41	41	-2	42	-1	-2	-1	-1				
155+080	268638.55	3180205.953	71.553	EXIST.LEVEL	70.22	70.32	70.48	70.64	70.80	70.64	70.48	70.36	4%	14.633	11.133	25.766
				DES.READ									4%			
				ACT.READ												
				DEF	-1	42	42	43	42	-1	42	-2				
155+100	268623.923	3180192.313	71.666	EXIST.LEVEL	70.33	70.44	70.60	70.76	70.92	70.76	70.60	70.47	4%	14.633	11.133	25.766
				DES.READ									4%			
				ACT.READ												
				DEF	41	-1	42	-2	-1	42	-2	41				

المهندس الاستشاري

مهندس القياس

CS



وزارة التخطيط
والتنمية الاقتصادية
المملكة العربية السعودية

ETIrans
CONSULTING

الهيئة العامة للغذاء والدواء
Saudi Food & Drug Authority

وزارة النقل
Ministry of Transport



مشروع القطار السريع (الكوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500
الشركة المصرية لتجارة الحديد والاسمنت

ST	154+320	154+340	154+360	154+380	154+400	154+420	154+440	154+460	154+480	154+500	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020	
station	154+520	154+340	154+360	154+380	154+400	154+420	154+440	154+460	154+480	154+500	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020	
DL	69.281	69.394	69.507	69.621	69.734	69.847	69.961	70.074	70.187	70.3	70.414	70.527	70.64	70.754	70.867	70.98	71.094	71.207	71.32	71.433	71.547	71.66	71.773	71.887	72	72.113											
term	68.381	68.494	68.607	68.721	68.834	68.947	69.061	69.174	69.287	69.4	69.514	69.627	69.74	69.854	69.967	70.08	70.194	70.307	70.42	70.533	70.647	70.76	70.873	70.987	71.1	71.213											
NGL	67.974	67.645	67.415	67.645	67.873	67.987	68.23	68.13	67.896	68.083	68.25	68.031	67.67	67.652	68.009	67.988	68.117	67.999	67.85	68.089	68.224	68.202	68.55	68.497	68.148	67.979											
0.25	68.131	68.244	68.357	68.471	68.584	68.697	68.811	68.924	69.037	69.15	69.264	69.377	69.49	69.604	69.717	69.83	69.944	70.057	70.17	70.283	70.397	70.51	70.623	70.737	70.85	70.963											
0.50		67.994	68.107	68.221	68.334	68.447	68.561	68.674	68.787	68.9	69.014	69.127	69.24	69.354	69.467	69.58	69.694	69.807	69.92	70.033	70.147	70.26	70.373	70.487	70.6	70.713											
0.75		67.744	67.857	67.971	68.084	68.197	68.311	68.424	68.537	68.65	68.764	68.877	68.99	69.104	69.217	69.33	69.444	69.557	69.67	69.783	69.897	70.01	70.123	70.237	70.35	70.463											
1.00			67.607	67.721				68.174	68.287	68.4	68.514	68.627	68.74	68.854	68.967	69.08	69.194	69.307	69.42	69.533	69.647	69.76	69.873	69.987	70.1	70.213											
1.25								68.037	68.15	68.264	68.377	68.49	68.604	68.717	68.83	68.944	69.057	69.17	69.283	69.397	69.51	69.623	69.737	69.85	69.963												
1.50											68.127	68.24	68.354	68.467	68.58	68.694	68.807	68.92	69.033	69.147	69.26	69.373	69.487	69.6	69.713												
1.75													67.99	68.104	68.217	68.33	68.444	68.557	68.67	68.783	68.897	69.01	69.123	69.237	69.35	69.463											
2.00													67.74	67.854		68.08	68.194	68.307	68.42	68.533	68.647	68.76	68.873	68.987	69.1	69.213											
2.50																			67.92																		
3.00																																					
3.50																																					
4.00																																					
4.50																																					
5.00																																					
5.50																																					
D/W	0.407	0.849	1.192	1.076	0.961	0.96	0.811	1.044	1.391	1.317	1.364	1.596	2.07	2.202	1.958	2.092	2.077	2.308	2.57	2.444	2.413	2.558	2.323	2.49	2.852	3.234											
LAYER	0.25	0.75	1	1	0.75	0.75	0.75	1	1.25	1.25	1.25	1.5	2	2	1.75	2	2	2	2.5	2	2	2.5	2	2	2.5	3											
THICK OF LAYER	0.157	0.099	0.192	0.076	0.211	0.21	0.081	0.044	0.141	0.067	0.014	0.096	0.07	0.202	0.208	0.092	0.077	0.308	0.07	0.444	0.413	0.058	0.323	0.49	0.452	0.234											

مهندس الاستشاري
د. عبد الله بن
عبد الله بن

مهندس الماكول
د. عبد الله بن
عبد الله بن



مشروع القطار السريع (اكتوبر / اسون) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500
الشركة المصرية لتجارة الحديد والاسمنت

[illegible]

مهندس المقاول
عبدالله بن
عبدالله بن
عبدالله بن

ميول وعروض طبقات الردم - (34 م رد م)

في حالة طريق الخدمة في الجهة اليسرى وبدون قشرة جارية

Typical Fill 1

رقم الطبقة	الغضاض الطبقة عن ماسوب التسوية TVE	ميول الطبقة في الجانين	العرض في الجانب اليمين	العرض في الجانب اليسر
1	0	4%	9.936	-13.436
2	0.25	4%	10.335	-13.835
3	0.5	4%	10.734	-14.234
4	0.75	4%	11.133	-14.633
5	1	4%	11.532	-15.032
6	1.25	3%	11.743	-15.188
7	1.5	2%	11.948	-15.340
8	1.75	1%	12.147	-15.487
9	2	0%	12.340	-15.630
10	2.25	0%	12.715	-16.005
11	2.5	0%	13.090	-16.380
12	2.75	0%	13.465	-16.755
13	3	0%	13.840	-17.130
14	3.25	0%	14.215	-17.505
15	3.5	0%	14.590	-17.880
16	3.75	0%	14.965	-18.255
17	4	0%	15.340	-18.630
18	4.25	0%	15.715	-19.005
19	4.5	0%	16.090	-19.380
20	4.75	0%	16.465	-19.755
21	5	0%	16.840	-20.130
22	5.25	0%	17.215	-20.505
23	5.5	0%	19.590	-20.880
24	5.75	0%	19.965	-23.255
25	6	0%	20.340	-23.630
26	6.25	0%	20.715	-24.005
27	6.5	0%	21.090	-24.380
28	6.75	0%	21.465	-24.755

ملئ المشرق

ملئ الكعب الثاني

م شحات سبت

م حسن موشاني الهادي

الحرا بهل جرسا نه ليل

١٤٣٢-١-٩

Request for Inspection We request your attendance to inspect the following works :		Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.	
Request No L-135		Date 5-12-2023	
Employer Consultant 		Contractor 	
From october to Aswan Electric Express Train - HSR		From Station: (154+000) To Station: (157+500) SECTION ONE (OCTOBER - BANI MAZAR) OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)	
GARB Consultant 		GARB Consultant 	
Inspection time :		Date :	
Location :		INSPECTION ZONE	
References		Specification:	
Inspection :		First Second Third	
Purpose of the inspection :			
Others (specify)			
Particular Details			
Submitted by :			
Signature :			
Surveying systems			
The work have found to be :			
Approved (A) Approved as Noted (B) Revised & Resubmit (C) Rejected (D)			
Signature			
Date 5/12/2023			
Engineer's Representative " SYSTRA " comments :			
Signature :			
Date : / /			
Attach all relevant particular test forms			



١٠١٢-١-٩
م. عبد الحليم عبد الله
مدير المكتب الفني

م. عبد الحليم عبد الله
مدير المكتب الفني

28	6.75	0%	21.465	-24.755
27	6.5	0%	21.090	-24.380
26	6.25	0%	20.715	-24.005
25	6	0%	20.340	-23.630
24	5.75	0%	19.965	-23.255
23	5.5	0%	19.590	-20.880
22	5.25	0%	17.215	-20.505
21	5	0%	16.840	-20.130
20	4.75	0%	16.465	-19.755
19	4.5	0%	16.090	-19.380
18	4.25	0%	15.715	-19.005
17	4	0%	15.340	-18.630
16	3.75	0%	14.965	-18.255
15	3.5	0%	14.590	-17.880
14	3.25	0%	14.215	-17.505
13	3	0%	13.840	-17.130
12	2.75	0%	13.465	-16.755
11	2.5	0%	13.090	-16.380
10	2.25	0%	12.715	-16.005
9	2	0%	12.340	-15.630
8	1.75	1%	12.147	-15.487
7	1.5	2%	11.948	-15.340
6	1.25	3%	11.743	-15.188
5	1	4%	11.532	-15.032
4	0.75	4%	11.133	-14.633
3	0.5	4%	10.734	-14.234
2	0.25	4%	10.335	-13.835
1	0	4%	9.936	-13.436
رقم المنطقة	انخفاض المنطقة عن TOE - مستوى المستوى	المنطقة في متول	المنطقة في المتول	المنطقة في المتول

في حالة طريق الخدمة في الجهة اليسرى ونودى في 1 Typical Fill

(34 م ردم) متول وعروض طبقات اليردم -

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسجده الاجمل للهيئة العامة للطرق والكباري وسلم الاجمل للهيئة العامة للطرق والكباري	
Signature : _____ Date : / /			
Engineer's Representative " SYSTRA " comments : _____ Signature : _____ Date : 19/11/2023			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Resident Engineer Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____ Inspection Report : _____ Signature : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Surveyor Signature : _____ Inspection Report : _____ Surveying systems _____ Signature : _____			
Submitted by : _____ Signature : _____ Particular Details Others (specify) _____ Purpose of the inspection :			
1. Earthworks ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☒ Setting out ☒ Levels ☐ Vertically ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Carthing			
Inspection : ☒ First ☐ Second ☐ Third			
References			
Location :		INSPECTION ZONE	
From Station 155+220 To Station 155+340		Date :	
Inspection time :			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Contractor OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)		Employer Consultant GARB CONSULTANT	
Electric Express Train - HSR From october to Aswan		Request No L-124 Date 19/11/2023	



مجلس الوزراء
الهيئة العامة
للمواصلات

ESTrans
CONSULTING

الهيئة العامة
للمواصلات
مجلس الوزراء

مجلس الوزراء
الهيئة العامة
للمواصلات

مجلس الوزراء
الهيئة العامة
للمواصلات

مشروع القطار السريع / أكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

SIT	155+040	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500
DL	72.226	72.34	72.453	72.566	72.68	72.793	72.906	73.019	73.133	73.246	73.359	73.473	73.586	73.699	73.811	73.914	74.004	74.081	74.147	74.2	74.243	74.283	74.323	74.363
forma	71.326	71.44	71.553	71.666	71.78	71.893	72.006	72.119	72.233	72.346	72.459	72.573	72.686	72.799	72.911	73.014	73.104	73.181	73.247	73.3	73.343	73.383	73.423	73.463
NGL	67.982	66.772	66.75	67.843	68.104	68.124	68.089	68.542	68.764	69.004	68.863	68.787	68.993	69.193	69.438	70.113	69.732	67.935	67.92	69.893	69.719	69.43	69.859	70.234
0.25	71.076	71.19	71.303	71.416	71.53	71.643	71.756	71.869	71.983	72.096	72.209	72.323	72.436	72.549	72.661	72.764	72.854	72.931	72.997	73.05	73.093	73.133	73.173	73.213
0.50	70.826	70.94	71.053	71.166	71.28	71.393	71.506	71.619	71.733	71.846	71.959	72.073	72.186	72.299	72.411	72.514	72.604	72.681	72.747	72.8	72.843	72.883	72.923	72.963
0.75	70.576	70.69	70.803	70.916	71.03	71.143	71.256	71.369	71.483	71.596	71.709	71.823	71.936	72.049	72.161	72.264	72.354	72.431	72.497	72.55	72.593	72.633	72.673	72.713
1.00	70.326	70.44	70.553	70.666	70.78	70.893	71.006	71.119	71.233	71.346	71.459	71.573	71.686	71.799	71.911	72.014	72.104	72.181	72.247	72.3	72.343	72.383	72.423	72.463
1.25	70.076	70.19	70.303	70.416	70.53	70.643	70.756	70.869	70.983	71.096	71.209	71.323	71.436	71.549	71.661	71.764	71.854	71.931	71.997	72.05	72.093	72.133	72.173	72.213
1.50	69.826	69.94	70.053	70.166	70.28	70.393	70.506	70.619	70.733	70.846	70.959	71.073	71.186	71.299	71.411	71.514	71.604	71.681	71.747	71.8	71.843	71.883	71.923	71.963
1.75	69.576	69.69	69.803	69.916	70.03	70.143	70.256	70.369	70.483	70.596	70.709	70.823	70.936	71.049	71.161	71.264	71.354	71.431	71.497	71.55	71.593	71.633	71.673	71.713
2.00	69.326	69.44	69.553	69.666	69.78	69.893	70.006	70.119	70.233	70.346	70.459	70.573	70.686	70.799	70.911	71.014	71.104	71.181	71.247	71.3	71.343	71.383	71.423	71.463
2.50	68.826	68.94	69.053	69.166	69.28	69.393	69.506	69.619	69.733	69.846	69.959	70.073	70.186	70.299	70.411	70.514	70.604	70.681	70.747	70.8	70.843	70.883	70.923	70.963
3.00	68.326	68.44	68.553	68.666	68.78	68.893	69.006	69.119	69.233	69.346	69.459	69.573	69.686	69.799	69.911	70.014	70.104	70.181	70.247	70.3	70.343	70.383	70.423	70.463
3.50	67.826	67.94	68.053	68.166	68.28	68.393	68.506	68.619	68.733	68.846	68.959	69.073	69.186	69.299	69.411	69.514	69.604	69.681	69.747	69.8	69.843	69.883	69.923	69.963
4.00	67.326	67.44	67.553	67.666	67.78	67.893	68.006	68.119	68.233	68.346	68.459	68.573	68.686	68.799	68.911	69.014	69.104	69.181	69.247	69.3	69.343	69.383	69.423	69.463
4.50	66.826	66.94	67.053	67.166	67.28	67.393	67.506	67.619	67.733	67.846	67.959	68.073	68.186	68.299	68.411	68.514	68.604	68.681	68.747	68.8	68.843	68.883	68.923	68.963
5.00	66.326	66.44	66.553	66.666	66.78	66.893	67.006	67.119	67.233	67.346	67.459	67.573	67.686	67.799	67.911	68.014	68.104	68.181	68.247	68.3	68.343	68.383	68.423	68.463
DIFF	3.344	4.666	4.803	3.823	3.676	3.769	3.917	3.577	3.469	3.342	3.506	3.786	3.693	3.606	3.473	2.901	3.372	5.246	5.327	3.407	3.624	3.953	3.564	3.229
LAVER	3	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	3.5	3.5	3	2.5	3	5	5	3	3.5	3.5	3.5	3
THICK OF LAYER	0.344	0.168	0.303	0.323	0.176	0.269	0.417	0.077	0.469	0.342	0.096	0.286	0.193	1.106	0.473	0.401	0.372	0.246	0.327	0.407	0.124	0.453	0.064	0.229

مهندس الاستشاري
د. عمر / ف

مهندس المصنف
د. عمر / ف

Sand cone test

Date / 6/12/2023
 Company / المصرية
 Project / إنشاء الطريق السريعة
 Layer No / -0.50
 Station / 155+220 : 155+340

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	9925	9834	9717	9580	9547	8854		
Weight of sand cone after test (g)	6033	5612	5695	5339	5642	4927		
Weight of the wet sample (g)	3568	3986	3761	4114	3556	3542		
Weight of sand filling the cone (g)	1479							
Moisture content %	6.4	6.7	6.6	6.9	6.5	6.3		
Maximum dry density (g/cm ³)	2.097							
Sand density (g/cm ³)	1.475							
Required relative compaction %	95%							
Relative compaction %	97.75	95.79	97.59	98.01	96.81	95.74		

Consultant Eng /

Lab. Eng /

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسخته للجهاز الاستشاري والقرابة والقرابة وسلم الاصل للهيئة العامة للطرق والكباري	
Signature : _____ Date : / /			
Engineer's Representative " SYSTRA " comments : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____			
Inspection Report : Entrans Consulting Signature : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)			
Surveyor Signature : _____			
Inspection Report : Surveying systems Signature : _____			
Submitted by : _____			
Particular Details Others (specify) _____			
Purpose of the inspection :			
1. Earthworks ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Inspection : ☒ First ☐ Second ☐ Third			
References			
Location :		INSPECTION ZONE	
From Station 155+100 To Station 155+220		Date :	
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Request No L-134		Date 5-12-2023	
Employer Consultant 		Contractor 	
From october to Aswan Electric Express Train - HSR		From Station: (154+000) To Station: (157+500) SECTION ONE (OCTOBER - BANI MAZAR) SPEED RAIL OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH	



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

ENTRANS
CONSULTING



المهندسين المعماريين والهندسة المدنية والبيئة
الهندسة المدنية والبيئة



قناة القلعة
التيبة
شعبه سطح صفيان

Station	
From	To
155+100	155+220

مناصب طبقة 5-م

Station	TOP OF SUB GRADE (CENTER)			FERMA LEVEL	EXIST.LEVEL DES.READ ACT.READ DEF	Left				P.G.C.L		Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH				14.234	12	8	4	71.17	4	8	10.734	L			R		
155+100	268623.923	3180192.31	71.67	EXIST.LEVEL DES.READ ACT.READ DEF	70.60 +1 70.71 70.71	70.69 +2 70.80	70.85 +2 70.96	71.01 +1 71.12	71.17 +1 71.28	71.01 +1 71.12	70.85 +2 70.96	70.74 +1 70.85	4%	4%	14.234	10.734	24.968		
155+120	268609.297	3180178.67	71.78	EXIST.LEVEL DES.READ ACT.READ DEF	70.82 +1 70.91	70.91 5.1	71.07 -1	71.23 -2	71.39 +1	71.23 +2	71.07 +1	70.96 +2	4%	4%	14.234	10.734	24.968		
155+140	268594.67	3180165.03	71.89	EXIST.LEVEL DES.READ ACT.READ DEF	70.94 +1 71.03	71.03 -1	71.19 -1	71.35 +1	71.51 +1	71.35 +2	71.19 +1	71.08 +2	4%	4%	14.234	10.734	24.968		
155+160	268580.044	3180151.39	72.01	EXIST.LEVEL DES.READ ACT.READ DEF	71.05 +2 71.14	71.14 +2	71.30 5.1	71.46 +1	71.62 +2	71.46 +2	71.30 +2	71.19 +2	4%	4%	14.234	10.734	24.968		
155+180	268565.417	3180137.75	72.12	EXIST.LEVEL DES.READ ACT.READ DEF	71.16 +2 71.25	71.25 +3	71.41 +1	71.57 +2	71.73 +2	71.57 -1	71.41 +2	71.30 +1	4%	4%	14.234	10.734	24.968		
155+200	268550.79	3180124.11	72.23	EXIST.LEVEL DES.READ ACT.READ DEF	71.28 -1 71.37	71.37 -3	71.53 -1	71.69 -1	71.85 0	71.69 0	71.53 0	71.42 -1	4%	4%	14.234	10.734	24.968		
155+220	268536.16	3180110.47	72.35	EXIST.LEVEL DES.READ ACT.READ DEF	71.28 -1 71.37	71.37 +2	71.53 +1	71.69 +1	71.85 +1	71.69 +1	71.53 +1	71.42 -1	4%	4%	14.234	10.734	24.968		

المهندس الاستشاري

مهندس الشركة

5-12-2023

مدير المصروفات
م. ج. ج. ج.

(م 34) - الدماء طينيات وعروضا ميتة
الدماء في الخنازير طينيات ميتة في

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسخته للجهاز الاستشاري والمقره المرفقة يسلم الاصل للهيئة العامة للطرق والكباري	
Signature : _____ Date : / /			
Engineer's Representative " SYSTRA " comments : _____			
Signature _____ Date: 19/11/2023			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised& Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Arch. Eng. _____		E/M Eng. _____	
Civil Eng. _____		Structural Eng. _____	
Inspection Report : Entrens Consulting			
Signature _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised& Resubmit (C) ☐ Rejected (D)			
Surveyor			
Signature _____			
Submitted by : _____			
Particular Details			
Others (specify) _____			
LAYER(-.75) BACKFILL			
Purpose of the inspection :			
1. Earthworks ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment			
2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection			
3- Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection			
4. Surveying ☐ Setting out ☒ Levels ☐ Vertically ☐ NGL			
5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Inspection : ☒ First ☐ Second ☐ Third			
References			
Location :		INSPECTION ZONE	
From Station 155+100 To Station 155+220		Date :	
Discipline : ☒ Survey ☐ Structure ☐ Drainage			
We request your attendance to inspect the following works :			
Request for Inspection			
Contractor		Employer Consultant	
OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)		Electric Express Train - HSR From october to Aswan	
GARB Consultant		Entrens Consulting	
Date 19/11/2023		Request No L-123	



سبلانج سولفون
الهندسة المدنية

Esttrans
CONSULTING

الهيئة العامة للطيران
المدني

مؤسسة النقل
البحري

مؤسسة النقل
البري

مشروع القطار السريع / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

SIT	155+040	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500
DL	72.226	72.34	72.453	72.566	72.68	72.793	72.906	73.019	73.133	73.246	73.359	73.473	73.586	73.699	73.811	73.914	74.004	74.081	74.147	74.2	74.243	74.283	74.323	74.363
kerma	71.326	71.44	71.553	71.666	71.78	71.893	72.006	72.119	72.233	72.346	72.459	72.573	72.686	72.799	72.911	73.014	73.104	73.181	73.247	73.3	73.343	73.383	73.423	73.463
NGL	67.982	66.772	66.75	67.843	68.104	68.124	68.089	68.542	68.764	69.004	68.863	68.787	68.993	69.193	69.438	70.113	69.732	67.935	67.92	69.893	69.719	69.43	69.859	70.234
0.25	71.076	71.19	71.303	71.416	71.53	71.643	71.756	71.869	71.983	72.096	72.209	72.323	72.436	72.549	72.663	72.764	72.854	72.931	72.997	73.05	73.095	73.135	73.175	73.215
0.50	70.826	70.94	71.053	71.166	71.28	71.393	71.506	71.619	71.733	71.846	71.959	72.073	72.186	72.299	72.411	72.514	72.604	72.681	72.747	72.8	72.843	72.883	72.923	72.963
0.75	70.576	70.69	70.803	70.916	71.03	71.143	71.256	71.369	71.483	71.596	71.709	71.823	71.936	72.049	72.163	72.264	72.354	72.431	72.497	72.553	72.593	72.633	72.673	72.713
1.00	70.326	70.44	70.553	70.666	70.78	70.893	71.006	71.119	71.233	71.346	71.459	71.573	71.686	71.799	71.911	72.014	72.104	72.181	72.247	72.3	72.343	72.383	72.423	72.463
1.25	70.076	70.19	70.303	70.416	70.53	70.643	70.756	70.869	70.983	71.096	71.209	71.323	71.436	71.549	71.663	71.764	71.854	71.931	71.997	72.053	72.093	72.133	72.173	72.213
1.50	69.826	69.94	70.053	70.166	70.28	70.393	70.506	70.619	70.733	70.846	70.959	71.073	71.186	71.299	71.411	71.514	71.604	71.681	71.747	71.8	71.843	71.883	71.923	71.963
1.75	69.576	69.69	69.803	69.916	70.03	70.143	70.256	70.369	70.483	70.596	70.709	70.823	70.936	71.049	71.163	71.264	71.354	71.431	71.497	71.553	71.593	71.633	71.673	71.713
2.00	69.326	69.44	69.553	69.666	69.78	69.893	70.006	70.119	70.233	70.346	70.459	70.573	70.686	70.799	70.911	71.014	71.104	71.181	71.247	71.3	71.343	71.383	71.423	71.463
2.25	69.076	69.19	69.303	69.416	69.53	69.643	69.756	69.869	69.983	70.096	70.209	70.323	70.436	70.549	70.663	70.764	70.854	70.931	70.997	71.053	71.093	71.133	71.173	71.213
2.50	68.826	69.04	69.053	69.166	69.28	69.393	69.506	69.619	69.733	69.846	69.959	70.073	70.186	70.299	70.411	70.514	70.604	70.681	70.747	70.8	70.843	70.883	70.923	70.963
3.00	68.326	68.44	68.553	68.666	68.78	68.893	69.006	69.119	69.233	69.346	69.459	69.573	69.686	69.799	69.911	70.014	70.104	70.181	70.247	70.3	70.343	70.383	70.423	70.463
3.50	67.9	67.94	68.053	68.166	68.28	68.393	68.506	68.619	68.733	68.846	68.959	69.073	69.186	69.299	69.411	69.514	69.604	69.681	69.747	69.8	69.843	69.883	69.923	69.963
4.00		67.44	67.553																69.181	69.247				
4.50		66.94	67.053																68.681	68.747				
5.00																			68.181	68.247				
DIFF	3.344	4.668	4.803	3.823	3.676	3.769	3.917	3.977	3.469	3.342	3.596	3.786	3.693	3.606	3.473	2.901	3.372	5.246	5.327	3.407	3.624	3.953	3.564	3.229
LAYER	3	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	3.5	3	3	2.5	3	5	5	3	3.5	3.5	3.5	3
THICK OF LAYER	0.344	0.168	0.303	0.323	0.176	0.269	0.417	0.077	0.469	0.342	0.096	0.286	0.193	1.106	0.473	0.401	0.372	0.246	0.327	0.407	0.124	0.453	0.064	0.229

مهندس الاستشاري
15/10/2019

مهندس المراقب
15/10/2019

Sand cone test

Date / 6/12/2023
 Company / المصرية
 Project / إنشاء القطار الكهربائي السريع
 Layer No / -0.50
 Station / 155+100 : 155+220

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	10520	10641	10353	10735	10758	9738		
Weight of sand cone after test (g)	6972	7016	6870	6828	6164	5927		
Weight of the wet sample (g)	3090	3228	3006	3570	4590	3462		
Weight of sand filling the cone (g)	1479							
Moisture content %	6.7	6.9	6.8	6.5	6.7	6.6		
Maximum dry density (g/cm ³)	2.097							
Sand density (g/cm ³)	1.475							
Required relative compaction %	95%							
Relative compaction %	98.45	98.97	98.79	97.11	97.14	97.96		

Consultant Eng /

Lab. Eng /

 Employer Consultant	Electric Express Train - HSR From october to Aswan	 الهيئة العامة للنقل	 وزارة التخطيط	Request No L-131
 Contractor	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	 EnTrans CONSULTING	 وزارة التخطيط	Date 28/11/2023
Request for Inspection				
We request your attendance to inspect the following works :				
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey				
Inspection time :		Date :		
Location :	INSPECTION ZONE	From Station 154+980	To Station 155+100	
References		Specification:		
Inspection : ☒ First ☐ Second ☐ Third				
Purpose of the inspection :				
1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other	3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Eas thing	4. Surveying ☒ Setting out ☒ Levels ☐ Verticality ☐ NGL	
Others (specify)				
Particular Details LAYER(-1.00) BACKFILL				
Submitted by :		Signature :		
Inspection Report :		Surveying systems		Signature
Surveyor				
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)				
Inspection Report :		EnTrans Consulting		Signature
Structural Eng.				
Civil Eng.				
E/M Eng.				
Arch. Eng.				
Resident Engineer				
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)				
Signature		Date 28/11/2023		
Engineer's Representative " SYSTRA " comments :				
Signature :				
Date : / /				
Attach all relevant particular test forms				
Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.				

الشركة المصرية للمقاولات والتجارة
قطاع التطوير السريع
من ١٥٤ حتى ١٥٧/٥

يسلم الأصل للهيئة العامة للطرق والكباري
وتنسخه للجهات الاستشارية والشركة المنفذة



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

منسوب سطح الطريق	منسوب سطح القلعة
منسوب سطح الطريق	منسوب سطح القلعة
منسوب سطح الطريق	منسوب سطح القلعة

Station	From	TO
	154+980	155+100

متناسب طبقة 1.00 م

Station	TOP OF SUB GRADE (CENTER)			LEFT				RIGHT			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL	15.032	12.00	8.00	4.00	P.G-C.L	4.00	8.00	11.532		L	R	
154+980	268711.68	3180274.2	70.987	EXIST.LEVEL	69.39	69.51	69.67	69.83	69.99	69.83	69.67	69.53	15.032	11.532	26.564
				DES.READ											
				ACT.READ											
				DEF											
155+000	268697.06	3180260.5	71.100	EXIST.LEVEL	69.50	69.62	69.78	69.94	70.10	69.94	69.78	69.64	15.032	11.532	26.564
				DES.READ											
				ACT.READ											
				DEF											
155+020	268682.43	3180246.9	71.213	EXIST.LEVEL	69.61	69.73	69.89	70.05	70.21	70.05	69.89	69.75	15.032	11.532	26.564
				DES.READ											
				ACT.READ											
				DEF											
155+040	268667.8	3180233.2	71.326	EXIST.LEVEL	69.72	69.85	70.01	70.17	70.33	70.17	70.01	69.86	15.032	11.532	26.564
				DES.READ											
				ACT.READ											
				DEF											
155+060	268653.18	3180219.6	71.440	EXIST.LEVEL	69.84	69.96	70.12	70.28	70.44	70.28	70.12	69.98	15.032	11.532	26.564
				DES.READ											
				ACT.READ											
				DEF											
155+080	268638.55	3180206	71.553	EXIST.LEVEL	69.95	70.07	70.23	70.39	70.55	70.39	70.23	70.09	15.032	11.532	26.564
				DES.READ											
				ACT.READ											
				DEF											
155+100	268623.92	3180192.3	71.666	EXIST.LEVEL	70.06	70.19	70.35	70.51	70.67	70.51	70.35	70.20	15.032	11.532	26.564
				DES.READ											
				ACT.READ											
				DEF											

المهندس الاستشاري

مهندس القصرية

Signature of the Consulting Engineer

الشركة المصرية لتجارة الحديد والاسمنت

مهندس الاستشاري

ميول وعروض طبقات الردم _ (34 م ردم)

Typical Fill 1

في حالة طرق الخدمة في الجهة اليسرى وبدون قناة جانبية

رقم الطبقة	انخفاض الطبقة عن مستوى التسوية TOE	ميول الطبقة في الجانبين	العرض في الجانب الأيمن	العرض في الجانب اليسار
1	0	4%	9.936	-13.436
2	0.25	4%	10.335	-13.835
3	0.5	4%	10.734	-14.234
4	0.75	4%	11.133	-14.633
5	1	4%	11.532	-15.032
6	1.25	3%	11.743	-15.188
7	1.5	2%	11.948	-15.340
8	1.75	1%	12.147	-15.487
9	2	0%	12.340	-15.630
10	2.25	0%	12.715	-16.005
11	2.5	0%	13.090	-16.380
12	2.75	0%	13.465	-16.755
13	3	0%	13.840	-17.130
14	3.25	0%	14.215	-17.505
15	3.5	0%	14.590	-17.880
16	3.75	0%	14.965	-18.255
17	4	0%	15.340	-18.630
18	4.25	0%	15.715	-19.005
19	4.5	0%	16.090	-19.380
20	4.75	0%	16.465	-19.755
21	5	0%	16.840	-20.130
22	5.25	0%	17.215	-20.505
23	5.5	0%	19.590	-20.880
24	5.75	0%	19.965	-23.255
25	6	0%	20.340	-23.630
26	6.25	0%	20.715	-24.005
27	6.5	0%	21.090	-24.380
28	6.75	0%	21.465	-24.755

مدير المكتب الفني

م عمر مصطفى المهدي

المرمى بهل جرسا نيليل

م شعبان سعيد

مدير المشروع

٢٠١٣-١-٩



سجل شركات
البنية التحتية

ET Trans
CONSULTING

الهيئة العامة للغمرات
الهيئة العامة للغمرات

مؤسسة البترول
مؤسسة البترول

مؤسسة البترول
مؤسسة البترول

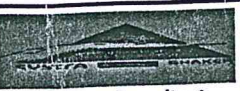
مشروع القطر السريع / أكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى 157+500

الشركة المصرية لتجارة الحديد والاسمنت

SIT	155+040	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500
DL	72.226	72.34	72.453	72.566	72.68	72.793	72.906	73.019	73.133	73.246	73.359	73.473	73.586	73.699	73.811	73.914	74.004	74.081	74.147	74.2	74.243	74.283	74.323	74.363
kurma	71.326	71.44	71.553	71.666	71.78	71.893	72.006	72.119	72.233	72.346	72.459	72.573	72.686	72.799	72.911	73.014	73.104	73.181	73.247	73.3	73.343	73.383	73.423	73.463
NGI	67.982	66.772	66.75	67.843	68.104	68.124	68.089	68.542	68.764	69.004	68.863	68.787	68.993	69.193	69.438	70.113	69.732	67.935	67.92	69.893	69.719	69.43	69.859	70.234
0.25	71.076	71.19	71.303	71.416	71.53	71.643	71.756	71.869	71.983	72.096	72.209	72.323	72.436	72.549	72.661	72.764	72.854	72.931	72.997	73.05	73.093	73.133	73.173	73.213
0.50	70.826	70.94	71.053	71.166	71.28	71.393	71.506	71.619	71.733	71.846	71.959	72.073	72.186	72.299	72.411	72.514	72.604	72.681	72.747	72.8	72.843	72.883	72.923	72.963
0.75	70.576	70.69	70.803	70.916	71.03	71.143	71.256	71.369	71.483	71.596	71.709	71.823	71.936	72.049	72.161	72.264	72.354	72.431	72.497	72.55	72.593	72.633	72.673	72.713
1.00	70.326	70.44	70.553	70.666	70.78	70.893	71.006	71.119	71.233	71.346	71.459	71.573	71.686	71.799	71.911	72.014	72.104	72.181	72.247	72.3	72.343	72.383	72.423	72.463
1.25	70.076	70.19	70.303	70.416	70.53	70.643	70.756	70.869	70.983	71.096	71.209	71.323	71.436	71.549	71.661	71.764	71.854	71.931	71.997	72.05	72.093	72.133	72.173	72.213
1.50	69.826	69.94	70.053	70.166	70.28	70.393	70.506	70.619	70.733	70.846	70.959	71.073	71.186	71.299	71.411	71.514	71.604	71.681	71.747	71.8	71.843	71.883	71.923	71.963
1.75	69.576	69.69	69.803	69.916	70.03	70.143	70.256	70.369	70.483	70.596	70.709	70.823	70.936	71.049	71.161	71.264	71.354	71.431	71.497	71.55	71.593	71.633	71.673	71.713
2.00	69.326	69.44	69.553	69.666	69.78	69.893	70.006	70.119	70.233	70.346	70.459	70.573	70.686	70.799	70.911	71.014	71.104	71.181	71.247	71.3	71.343	71.383	71.423	71.463
2.50	68.826	68.94	69.053	69.166	69.28	69.393	69.506	69.619	69.733	69.846	69.959	70.073	70.186	70.299	70.411	70.514	70.604	70.681	70.747	70.8	70.843	70.883	70.923	70.963
3.00	68.326	68.44	68.553	68.666	68.78	68.893	69.006	69.119	69.233	69.346	69.459	69.573	69.686	69.799	69.911	70.014	70.104	70.181	70.247	70.3	70.343	70.383	70.423	70.463
3.50	67.826	67.94	68.053	68.166	68.28	68.393	68.506	68.619	68.733	68.846	68.959	69.073	69.186	69.299	69.411	69.514	69.604	69.681	69.747	69.8	69.843	69.883	69.923	69.963
4.00	67.326	67.44	67.553	67.666	67.78	67.893	68.006	68.119	68.233	68.346	68.459	68.573	68.686	68.799	68.911	69.014	69.104	69.181	69.247	69.3	69.343	69.383	69.423	69.463
4.50	66.826	66.94	67.053	67.166	67.28	67.393	67.506	67.619	67.733	67.846	67.959	68.073	68.186	68.299	68.411	68.514	68.604	68.681	68.747	68.8	68.843	68.883	68.923	68.963
5.00	66.326	66.44	66.553	66.666	66.78	66.893	67.006	67.119	67.233	67.346	67.459	67.573	67.686	67.799	67.911	68.014	68.104	68.181	68.247	68.3	68.343	68.383	68.423	68.463
5.50	65.826	65.94	66.053	66.166	66.28	66.393	66.506	66.619	66.733	66.846	66.959	67.073	67.186	67.299	67.411	67.514	67.604	67.681	67.747	67.8	67.843	67.883	67.923	67.963
DIFF	3.344	4.668	4.803	3.823	3.676	3.769	3.917	3.577	3.469	3.342	3.596	3.786	3.693	3.606	3.473	2.901	3.372	5.246	5.327	3.407	3.624	3.953	3.564	3.229
LAYER	3	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	3.5	2.5	3	2.5	3	5	5	3	3.5	3.5	3.5	3
THICK OF LAYER	0.344	0.188	0.203	0.323	0.176	0.269	0.417	0.077	0.469	0.342	0.096	0.286	0.193	1.106	0.473	0.401	0.372	0.246	0.327	0.407	0.124	0.453	0.064	0.229

مهندس الاستشاري
18/10/2019

مهندس المقاول
18/10/2019

 Employer Consultant	Electric Express Train - HSR From october to Aswan	 	Request No L-125
 Contractor	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	 GARB Consultant	Date 19/11/2023

Request for Inspection

We request your attendance to inspect the following works :

Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey

Inspection time :		Date :		
Location :	INSPECTION ZONE	From Station	To Station	
		154+980	155+100	

References

Inspection : ☒ First ☐ Second ☐ Third

Purpose of the inspection :

1. Earthworks

☐ Stripping

☐ Natural Sub Grade

☐ Upper Embankment

☐ Excavation

☐ Sub Grade

☐ Sub Ballast

☐ Ballast

☐ Embankment

2. Civil Work

☐ Open Channels

☐ Box Culvert

☐ Pipe Culvert

☐ Slope protection

☐ Gabion

☐ Side Ditches

☐ Other

3-Drainage

☐ Formation

☐ Sides of Excavation

☐ Backfilling Layers

☐ Slope protection

4. Surveying

☒ Setting out

☒ Levels

☐ Verticality

☐ NGL

5. Structure

☐ Formwork

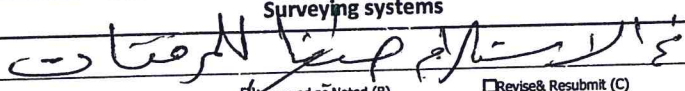
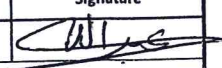
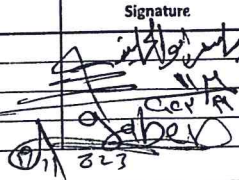
☐ Reinforcement

☐ Concreteing

☐ Earthing

Others (specify) _____

Particular Details **LAYER(-1.25) BACKFILL**

Submitted by :	Signature :
Inspection Report : Surveying systems Surveyor 	Signature 
The work have fount to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)	
Inspection Report : EnTrans Consulting Structural Eng. Civil Eng. E\M Eng. Arch. Eng. Resident Engineer	Signature 
The work have fount to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)	
Signature _____ Date 19/11/2023	
Engineer's Representative " SYSTRA " comments : _____	
Signature : _____	

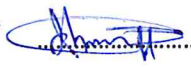
Attach all relevant particular test forms
 Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

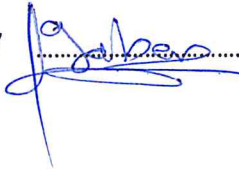
يسلم الأصل للهيئة العامة للطرق والكباري
 ونسخه للجهات الإستشارية والشركة المنفذه

Sand cone test

Date / 28/11/2023
Company / المصرية
Project / انشاء القطار الكهربائي السريع القطاع الاول من اكتوبر الي اسوان
Layer No / -1.00
Station / 154+980 : 155+100

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	9765	10015	9647	9162	8643	8473		
Weight of sand cone after test (g)	5832	5471	5559	5165	4429	4062		
Weight of the wet sample (g)	3530	4495	3861	3682	3944	4209		
Weight of sand filling the cone (g)	1488							
Mositure content %	6.4	6.2	6.5	6.7	6.3	6.1		
Maximum dry density (g/cm3)	2.097							
Sand density (g/cm3)	1.47							
Required relative compaction %	95%							
Relative compaction %	95.12	97.09	97.75	96.41	95.41	95.14		

Lab.Eng / 

Consultant Eng / 

 Employer Consultant	Electric Express Train - HSR From october to Aswan	 Request No L-130
 Contractor	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	 EnTrans CONSULTING GARB Consultant Date 4-12-2023

Request for Inspection

We request your attendance to inspect the following works :

Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey

Inspection time : _____ **Date :** _____

Location :	INSPECTION ZONE	From Station	To Station
		154+840	154+980

References _____ **Specification:** _____

Inspection : ☒ First ☐ Second ☐ Third

Purpose of the inspection :

1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other	3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Earthing	4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL
---	--	---	--

Others (specify) _____

Particular Details **LAYER(-.25) BACKFILL**

Submitted by : _____ **Signature :** _____

Inspection Report :	Surveying systems	Signature
Surveyor	_____	_____

The work have fount to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)

Inspection Report :	EnTrans Consulting	Signature
Structural Eng.	_____	_____
Civil Eng.	_____	_____
E/M Eng.	_____	_____
Arch. Eng.	_____	_____
Resident Engineer	_____	_____

The work have fount to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)

Signature _____ **Date** 4/12/2023

Engineer's Representative " SYSTRA " comments : _____

Signature : _____ **Date :** / /

Attach all relevant particular test forms

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

يسلم الأصل للهيئة العامة للطرق والكباري
ونسخه للجهات الاستشارية والشركة المنفذه



	قراءة التربة
	التربة
	مستوى سطح صلب

Station	From	To
	154+840	154+980

مستوى طبقة 25 م

Station	TOP OF SUB GRADE (CENTER)		FERMA LEVEL	Left				P.G.C.L	Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH		13.835	12	8	4		4	8	10.335			L	R	
154+840	268814.069	3180369.639	70.19	EXIST.LEVEL	69.39	69.46	69.62	69.78	69.94	69.62	69.53	4%	4%	13.835	10.335	24.17
				DES.READ												
				ACT.READ												
				DEF	69.50	69.58	69.74	69.90	70.06	69.74	69.64					
154+860	268798.442	3180355.999	70.31	EXIST.LEVEL								4%	4%	13.835	10.335	24.17
				DES.READ												
				ACT.READ												
				DEF	69.62	69.69	69.85	70.01	70.17	69.85	69.76					
154+880	268784.816	3180342.358	70.42	EXIST.LEVEL								4%	4%	13.835	10.335	24.17
				DES.READ												
				ACT.READ												
				DEF	69.73	69.80	69.96	70.12	70.28	69.96	69.87					
154+900	268770.189	3180328.718	70.53	EXIST.LEVEL								4%	4%	13.835	10.335	24.17
				DES.READ												
				ACT.READ												
				DEF	69.84	69.92	70.08	70.24	70.40	70.08	69.98					
154+920	268755.562	3180315.077	70.65	EXIST.LEVEL								4%	4%	13.835	10.335	24.17
				DES.READ												
				ACT.READ												
				DEF	69.96	70.03	70.19	70.35	70.51	70.19	70.10					
154+940	268740.936	3180301.437	70.76	EXIST.LEVEL								4%	4%	13.835	10.335	24.17
				DES.READ												
				ACT.READ												
				DEF	70.07	70.14	70.30	70.46	70.62	70.30	70.21					
154+960	268726.309	3180287.796	70.87	EXIST.LEVEL								4%	4%	13.835	10.335	24.17
				DES.READ												
				ACT.READ												
				DEF	70.18	70.26	70.42	70.58	70.74	70.42	70.32					
154+980	268711.683	3180274.156	70.99	EXIST.LEVEL								4%	4%	13.835	10.335	24.17
				DES.READ												
				ACT.READ												
				DEF	70.18	70.26	70.42	70.58	70.74	70.42	70.32					

المهندس الاستشاري

مهندس الدرجة

[Handwritten signature]

ميول وعروض طبقات الردم _ (34 م ردم)

Typical Fill 1

في حالة طريق الخدمة في الجهة اليسرى وبنود قناة جانبية

رقم الطبقة	انخفاض الطبقة عن مستوى التسوية TOE	ميول الطبقة في الجانبين	العرض في الجانب اليسرى	العرض في الجانب اليمين
1	0	4%	9.936	-13.436
2	0.25	4%	10.335	-13.835
3	0.5	4%	10.734	-14.234
4	0.75	4%	11.133	-14.633
5	1	4%	11.532	-15.032
6	1.25	3%	11.743	-15.188
7	1.5	2%	11.948	-15.340
8	1.75	1%	12.147	-15.487
9	2	0%	12.340	-15.630
10	2.25	0%	12.715	-16.005
11	2.5	0%	13.090	-16.380
12	2.75	0%	13.465	-16.755
13	3	0%	13.840	-17.130
14	3.25	0%	14.215	-17.505
15	3.5	0%	14.590	-17.880
16	3.75	0%	14.965	-18.255
17	4	0%	15.340	-18.630
18	4.25	0%	15.715	-19.005
19	4.5	0%	16.090	-19.380
20	4.75	0%	16.465	-19.755
21	5	0%	16.840	-20.130
22	5.25	0%	17.215	-20.505
23	5.5	0%	19.590	-20.880
24	5.75	0%	19.965	-23.255
25	6	0%	20.340	-23.630
26	6.25	0%	20.715	-24.005
27	6.5	0%	21.090	-24.380
28	6.75	0%	21.465	-24.755

مدير المكتب الفني

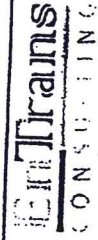
م عمر مصطفى المهدي

المرمى بهل خرساني

مدير المشروع

م شعبان سعيد

١٤٤٣-١-٩



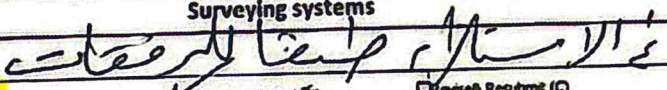
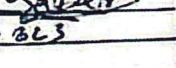
مشروع القطار السريع (اكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

SIT	الشركة المصرية لتجارة الحديد والأسمنت																										
	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020	
DL	69.281	69.394	69.507	69.621	69.734	69.847	69.961	70.074	70.187	70.3	70.414	70.527	70.64	70.754	70.867	70.98	71.094	71.207	71.32	71.433	71.547	71.66	71.773	71.887	72	72.113	
fema	68.381	68.494	68.607	68.721	68.834	68.947	69.061	69.174	69.287	69.4	69.514	69.627	69.74	69.854	69.967	70.08	70.194	70.307	70.42	70.533	70.647	70.76	70.873	70.987	71.1	71.213	
NGL	67.974	67.645	67.415	67.645	67.873	67.987	68.23	68.13	67.896	68.083	68.25	68.031	67.67	67.652	68.009	67.988	68.117	67.999	67.85	68.089	68.224	68.202	68.55	68.497	68.148	67.979	
0.15	68.131	68.244	68.357	68.471	68.584	68.697	68.811	68.924	69.037	69.15	69.264	69.377	69.49	69.604	69.717	69.83	69.944	70.057	70.17	70.283	70.397	70.51	70.625	70.737	70.85	70.963	
0.50		67.994	68.107	68.221	68.334	68.447	68.561	68.674	68.787	68.9	69.014	69.127	69.24	69.354	69.467	69.58	69.694	69.807	69.92	70.033	70.147	70.26	70.373	70.487	70.6	70.713	
0.75		67.714	67.827	67.941	68.054	68.167	68.281	68.394	68.507	68.62	68.734	68.847	68.96	69.074	69.187	69.3	69.414	69.527	69.64	69.753	69.867	70.01	70.125	70.237	70.35	70.463	
1.00			67.607	67.721				68.174	68.287	68.4	68.514	68.627	68.74	68.854	68.967	69.08	69.194	69.307	69.42	69.533	69.647	69.76	69.873	69.987	70.1	70.213	
1.25									68.031	68.145	68.254	68.367	68.48	68.594	68.707	68.83	68.944	69.057	69.17	69.283	69.397	69.51	69.625	69.737	69.851	69.963	
1.50												68.127	68.24	68.354	68.467	68.58	68.694	68.807	68.92	69.033	69.147	69.26	69.373	69.487	69.6	69.713	
1.75													67.99	68.104	68.217	68.33	68.444	68.557	68.67	68.783	68.897	69.01	69.125	69.237	69.35	69.463	
2.00													67.74	67.854		68.08	68.194	68.307	68.42	68.533	68.647	68.76	68.873	68.987	69.1	69.213	
2.50																			67.92			68.76			68.6	68.713	
3.00																										68.213	
3.50																											
4.00																											
4.50																											
5.00																											
DIFF	0.407	0.849	1.192	1.076	0.961	0.96	0.831	1.044	1.391	1.317	1.264	1.596	2.07	2.202	1.958	2.092	2.077	2.308	2.57	2.444	2.423	2.558	2.323	2.49	2.952	3.234	
LAYER	0.25	0.75	1	1	0.75	0.75	0.75	1	1.25	1.25	1.25	1.5	2	2	2	2	2	2	2.5	2	2	2.5	2	2	2.5	3	
THICK OF LAYER	0.157	0.099	0.192	0.076	0.211	0.21	0.081	0.044	0.141	0.067	0.014	0.096	0.07	0.202	0.208	0.092	0.077	0.308	0.07	0.444	0.423	0.058	0.323	0.49	0.452	0.234	
مهندس الإس																											

مهندس الاستشارة

د / عمرو ر

 Employer Consultant	Electric Express Train - HSR From October to Aswan	 EnTrans CONSULTING	Request No L-122
 Contractor	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	 GARB Consultant	Date 21/11/2023
Request for Inspection			
We request your attendance to inspect the following works :			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
Inspection time :		Date :	
Location :	INSPECTION ZONE	From Station	To Station
		154+840	154+980
References	Specification:		
Inspection : ☐ First ☒ Second ☐ Third			
Purpose of the Inspection :			
1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other	3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Earthing	4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL
Others (specify) _____			
LAYER(-.5) BACKFILL			
Particular Details _____			
Submitted by :		Signature :	
Inspection Report :		Surveying systems 	
Surveyor		☒ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)	
The work have found to be :		☐ Approved (A) ☒ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)	
Inspection Report :		EnTrans Consulting Approved as noted	
Structural Eng.		Signature	
Civil Eng.			
E/M Eng.			
Arch. Eng.			
Resident Engineer _____			
The work have found to be :		☐ Approved (A) ☒ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)	
Signature		Date: 22/11/2023	
Engineer's Representative "SYSTRA" comments : _____			
Signature : _____			
Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.			

Sand cone test

Date: / 4/12/2023
Company: / المصرية
Project: / انشاء القطار الكهربائي السريع القطاع الاول من اكتوبر الى اسوان
Layer No: / -0.25
Station: / 154+840 : 154+980

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	9712	10410	9924	9356	8139	9175		
Weight of sand cone after test (g)	5893	6013	5734	5232	4209	5194		
Weight of the wet sample (g)	3437	4175	3868	3921	3572	3647		
Weight of sand filling the cone (g)	1479							
Mositure content %	6.5	6.3	6.1	6.6	6.2	6.4		
Maximum dry density (g/cm3)	2.075 2,097 							
Sand density (g/cm3)	1.47							
Required relative compaction %	95%							
Relative compaction %	97.52	95.17	95.08	98.33	97.03	96.87		

Lab.Eng / 

Consultant Eng / 

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسجده للجهات المختصة والهيئة العامة للطرق والكباري وسلم الأصل للهيئة العامة للطرق والكباري	
Signature : _____			
Date : / / _____			
Engineer's Representative " SYSTRA " comments : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Resident Engineer Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____			
Inspection Report : Enttrans Consulting Approved as noted Signature: _____			
The work have found to be : ☐ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Inspection Report : Surveying systems Signature: _____			
Submitted by : _____ Signature: _____			
Particular Details Others (specify) _____ LAYER(-.25) BACKFILL			
Purpose of the Inspection : 1. Earthworks ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3- Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☒ Setting out ☐ Levels ☐ Vertically ☐ MGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Inspection : ☒ First ☐ Second ☐ Third			
References : _____			
Location : _____ INSPECTION ZONE From Station 154+700 To Station 154+840		Inspection time : _____ Date : _____	
Discipline : ☐ Civil/Slope Protection ☐ Structure ☒ Drainage ☒ Survey			
We request your attendance to inspect the following works :			
Request for Inspection,			
Contractor OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)		Employer Consultant Electric Express Train - HSR From October to Aswan	
GARB Consultant Enttrans CONSULTING		Date 4-12-2023	
Request No L-129		Date 4-12-2023	

الشرح المرفق بالملحق ١٥٧/٥
 في ١٥/٥/٢٠٢٣



**OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL,
SECTION ONE (OCTOBER - BANI MAZAR)**




 National Book Trust, India



قرارداد التسمية	
التعليق	
ملخص منتج متعلق	

Station	
From	To
154+700	154+840

р.25-23464

Station	TOP OF SUB GRADE (CENTER)			Left	Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH				
	EAST	NORTH	FERMA LEVEL		P.G.C.L	4	8			10.335	L		R			
154+700	268916.455	3180465.123	69.40	EXIST.LEVEL DES.READ ACT READ	68.60 	68.67 	68.83 	68.99 	69.15 ✓	68.99	68.83	68.74	4%	13.835	10.335	24.17
				DEF												
				EXIST.LEVEL	68.71	68.78	68.94	69.10	69.26 ✓	69.10	68.94	68.85				
				DES.READ												
				ACT READ												
154+720	268901.828	3180451.482	69.51	DEF	68.82	68.90	69.06	69.22	69.38 ✓	69.22	69.06	68.96	4%	13.835	10.335	24.17
				EXIST.LEVEL												
				DES.READ												
				ACT READ												
154+740	268887.202	3180437.842	69.63	DEF	68.94	69.01	69.17	69.33	69.49 ✓	69.33	69.17	69.08	4%	13.835	10.335	24.17
				EXIST.LEVEL												
				DES.READ												
				ACT READ												
154+760	268872.575	3180424.201	69.74	DEF	69.05	69.12	69.28	69.44	69.60 ✓	69.44	69.28	69.19	4%	13.835	10.335	24.17
				EXIST.LEVEL												
				DES.READ												
				ACT READ												
154+780	268857.948	3180410.561	69.85	DEF	69.16	69.24	69.40	69.56	69.72 ✓	69.56	69.40	69.30	4%	13.835	10.335	24.17
				EXIST.LEVEL												
				DES.READ												
				ACT READ												
154+800	268843.322	3180396.92	69.97	DEF	69.28	69.35	69.51	69.67	69.83 ✓	69.67	69.51	69.42	4%	13.835	10.335	24.17
				EXIST.LEVEL												
				DES.READ												
				ACT READ												
154+820	268828.695	3180383.28	70.08	DEF	69.39	69.46	69.62	69.78	69.94 ✓	69.78	69.62	69.53	4%	13.835	10.335	24.17
				EXIST.LEVEL												
				DES.READ												
				ACT READ												
154+840	268814.069	3180369.639	70.19	DEF	69.2	69.2	69.3	69.2	69.1	69.2	69.1	69.2	4%	13.835	10.335	24.17

المجلس الاستشاري

مجلس الشركة



مجلس التخطيط
الاقتصادي وال
المالي

General
CONSTRUCTION

الهيئة العامة
للتنظيم والإدارة



وزارة التخطيط
والمالية
والاقتصاد



مشروع القطار السريع (اكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من 154+000 الى 157+500
الشركة المصرية لتجارة الحديد والاسمنت

CUT	ST	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020
Fill	station	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020
DL	69.281	69.394	69.507	69.621	69.734	69.847	69.961	70.074	70.187	70.3	70.414	70.527	70.64	70.754	70.867	70.98	71.094	71.207	71.32	71.433	71.547	71.66	71.773	71.887	72	72.113	
terma	68.381	68.494	68.607	68.721	68.834	68.947	69.061	69.174	69.287	69.4	69.514	69.627	69.74	69.854	69.967	70.08	70.194	70.307	70.42	70.533	70.647	70.76	70.873	70.987	71.1	71.213	
NGL	67.974	67.645	67.415	67.645	67.873	67.987	68.23	68.13	67.896	68.083	68.25	68.031	67.67	67.652	68.009	67.988	68.117	67.999	67.85	68.089	68.224	68.202	68.55	68.497	68.148	67.979	
0.25	68.131	68.244	68.357	68.471	68.584	68.697	68.811	68.924	69.037	69.15	69.264	69.377	69.49	69.604	69.717	69.83	69.944	70.057	70.17	70.283	70.397	70.51	70.623	70.737	70.85	70.963	
0.50		67.994	68.107	68.221	68.334	68.447	68.561	68.674	68.787	68.9	69.014	69.127	69.24	69.354	69.467	69.58	69.694	69.807	69.92	70.033	70.147	70.26	70.373	70.487	70.6	70.713	
0.75		67.744	67.857	67.971	68.084	68.197	68.311	68.424	68.537	68.65	68.764	68.877	68.99	69.104	69.217	69.33	69.444	69.557	69.67	69.783	69.897	70.01	70.123	70.237	70.35	70.463	
1.00			67.607	67.721				68.174	68.287	68.4	68.514	68.627	68.74	68.854	68.967	69.08	69.194	69.307	69.42	69.533	69.647	69.76	69.873	69.987	70.1	70.213	
1.25								68.037	68.15	68.264	68.377	68.49	68.604	68.717	68.83	68.944	69.057	69.17	69.283	69.397	69.51	69.623	69.737	69.85	69.963		
1.50											68.127	68.24	68.354	68.467	68.58	68.694	68.807	68.92	69.033	69.147	69.26	69.373	69.487	69.6	69.713		
1.75													67.99	68.104	68.217	68.33	68.444	68.557	68.67	68.783	68.897	69.01	69.123	69.237	69.35	69.463	
2.00														67.74	67.854		68.08	68.194	68.307	68.42	68.533	68.647	68.76	68.873	68.987	69.1	69.213
2.50																			67.92			68.26			68.6	68.713	
3.00																										68.213	
3.50																											
4.00																											
4.50																											
5.00																											
5.50																											
DIFF	0.407	0.849	1.192	1.076	0.961	0.96	0.831	1.044	1.391	1.317	1.264	1.596	2.07	2.202	1.958	2.092	2.077	2.308	2.57	2.444	2.433	2.558	2.323	2.49	2.552	3.224	
LAYER	0.25	0.75	1	1	0.75	0.75	0.75	1	1.25	1.25	1.25	1.5	2	2	1.75	2	2	2	2.5	2	2	2.5	2	2	2.5	3	
THICK OF LAYER	0.157	0.099	0.192	0.076	0.211	0.21	0.081	0.044	0.141	0.067	0.014	0.096	0.07	0.202	0.208	0.092	0.077	0.308	0.07	0.444	0.423	0.058	0.323	0.49	0.452	0.234	

مجلس التخطيط
الاقتصادي وال
المالي

مجلس المقاول
15/10/2015

ميول وعروض طبقات الردم - (34 م ردم)

في حالة طريق الخدمة في الجهة اليسرى وبدون قناة جانبية

Typical Fill 1

العرض في الجانب الأيسر	العرض في الجانب الأيمن	مبزل الطبقة في الجانبين	الانخفاض الطبقة عن مستوى التسوية - TOE	رقم الطبقة
-13.436	9.936	4%	0	1
-13.835	10.335	4%	0.25	2
-14.234	10.734	4%	0.5	3
-14.633	11.133	4%	0.75	4
-15.032	11.532	4%	1	5
-15.188	11.743	3%	1.25	6
-15.340	11.948	2%	1.5	7
-15.487	12.147	1%	1.75	8
-15.630	12.340	0%	2	9
-16.005	12.715	0%	2.25	10
-16.380	13.090	0%	2.5	11
-16.755	13.465	0%	2.75	12
-17.130	13.840	0%	3	13
-17.505	14.215	0%	3.25	14
-17.880	14.590	0%	3.5	15
-18.255	14.965	0%	3.75	16
-18.630	15.340	0%	4	17
-19.005	15.715	0%	4.25	18
-19.380	16.090	0%	4.5	19
-19.755	16.465	0%	4.75	20
-20.130	16.840	0%	5	21
-20.505	17.215	0%	5.25	22
-20.880	19.590	0%	5.5	23
-23.255	19.965	0%	5.75	24
-23.630	20.340	0%	6	25
-24.005	20.715	0%	6.25	26
-24.380	21.090	0%	6.5	27
-24.755	21.465	0%	6.75	28

ملحق المشروع

م. شحات سعيد

المرءى بطل حزنه علي

ملحق المكتب الفني

م. عمر مصطفى الهادي

١٠٠٣-١-٩

											
Request No		L-121		Date		19/11/2023		Request for Inspection		We request your attendance to inspect the following works :	
Discipline :		☐ Civil/Slope Protection ☐ Structure ☒ Drainage ☒ Survey		Inspection time :		Date :		From Station : 154+700 To Station : 154+840		Location : INSPECTION ZONE	
References				Inspection :		☒ First ☐ Second ☐ Other		Purpose of the inspection :		1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☒ Setting out ☐ Levels ☐ Vertically ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing	
Others (specify)		LAYER(-5) BACKFILL		Submitted by :		Signature :		Surveying systems Signature :		Inspection Report : The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Reverse & Resubmit (C) ☐ Rejected (D)	
Resident Engineer		Structural Eng. Civil Eng. E/M Eng. Arch. Eng.		Signature : Date : 19/11/2023		Engineer's Representative " SYSTRA " comments :		Signature : Date : / /		Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.	

Sand cone test

4/12/2023

المصرية

المشروع: الطريق الدائري الثاني من القاهرة الى السويس

-0.25

154+700 : 154+840

Date

Company

Project

Layer No

Station

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	8304	8895	10532	9732	9864	8497		
Weight of sand cone after test (g)	4232	4655	6713	5406	5604	4031		
Weight of the wet sample (g)	3726	4058	3468	4077	4025	4281		
Weight of sand filling the cone (g)	1479							
Moisture content %	6.2	6.5	6.8	6	6.3	6.1		
Maximum dry density (g/cm ³)	2.097							
Sand density (g/cm ³)	1.475							
Required relative compaction %	95%							
Relative compaction %	95.17	97.07	97.61	95.03	95.77	95.01		

Lab. Eng /

Consultant Eng /



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

Engineering
CONSULTING



المملكة العربية السعودية
الجمهورية العربية السورية



كرد الارتفاع
الارتفاع
مستوى سطح الطريق

Station	
From	TO
155+340	155+520

ملاحظات طبقة 1/75 م

Station	TOP OF SUB GRADE (CENTER)				LEFT										Right					SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL			15.487	12.00	8.00	4.00	P.G.-C.L	4.00	8.00	12.00	12.147	L	R								
155+340	268448.40	3180028.63	73.014	EXIST.LEVEL DES.READ ACT.READ DEF	71.11 71.20	71.14 71.23	71.18 71.27	71.22 71.31	71.26 71.35	71.22 71.31	71.18 71.27	71.14 71.23	71.14 71.23	1%	1%	15.487	12.147	27.634						
155+360	268433.78	3180014.99	73.104	EXIST.LEVEL DES.READ ACT.READ DEF	71.28 71.34	71.31 71.38	71.35 71.42	71.39 71.46	71.43 71.50	71.39 71.46	71.35 71.42	71.31 71.38	71.31 71.38	1%	1%	15.487	12.147	27.634						
155+380	268419.15	3180001.35	73.181	EXIST.LEVEL DES.READ ACT.READ DEF	71.40 71.44	71.43 71.47	71.47 71.51	71.51 71.55	71.55 71.59	71.51 71.55	71.47 71.51	71.43 71.47	71.43 71.47	1%	1%	15.487	12.147	27.634						
155+400	268404.53	3179987.71	73.247	EXIST.LEVEL DES.READ ACT.READ DEF	71.44 71.48	71.47 71.51	71.51 71.55	71.55 71.59	71.59 71.63	71.55 71.59	71.51 71.55	71.47 71.51	71.47 71.51	1%	1%	15.487	12.147	27.634						
155+420	268389.90	3179974.07	73.300	EXIST.LEVEL DES.READ ACT.READ DEF	71.52 71.56	71.55 71.59	71.59 71.63	71.63 71.67	71.67 71.71	71.63 71.67	71.59 71.63	71.55 71.59	71.55 71.59	1%	1%	15.487	12.147	27.634						
155+440	268375.27	3179960.42	73.343	EXIST.LEVEL DES.READ ACT.READ DEF	71.56 71.60	71.59 71.63	71.63 71.67	71.67 71.71	71.71 71.75	71.67 71.71	71.63 71.67	71.59 71.63	71.59 71.63	1%	1%	15.487	12.147	27.634						
155+460	268360.65	3179946.78	73.383	EXIST.LEVEL DES.READ ACT.READ DEF	71.60 71.64	71.63 71.67	71.67 71.71	71.71 71.75	71.75 71.79	71.71 71.75	71.67 71.71	71.63 71.67	71.63 71.67	1%	1%	15.487	12.147	27.634						
155+480	268346.02	3179933.14	73.423	EXIST.LEVEL DES.READ ACT.READ DEF	71.64 71.68	71.67 71.71	71.71 71.75	71.75 71.79	71.79 71.83	71.75 71.79	71.71 71.75	71.67 71.71	71.67 71.71	1%	1%	15.487	12.147	27.634						
155+500	268331.39	3179919.50	73.463	EXIST.LEVEL DES.READ ACT.READ DEF	71.68 71.72	71.71 71.75	71.75 71.79	71.79 71.83	71.83 71.87	71.79 71.83	71.75 71.79	71.71 71.75	71.71 71.75	1%	1%	15.487	12.147	27.634						
155+520	268316.77	3179905.86	73.503	EXIST.LEVEL DES.READ ACT.READ DEF	71.72 71.76	71.75 71.79	71.79 71.83	71.83 71.87	71.87 71.91	71.83 71.87	71.79 71.83	71.75 71.79	71.75 71.79	1%	1%	15.487	12.147	27.634						

المهندس الاستشاري

مهندس الشركة

 Employer Consultant	Electric Express Train - HSR From October to Aswan	 Request No L-218	
 Contractor	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	 EnTrans CONSULTING GARB Consultant	Date 15/11/2023

Request for Inspection

We request your attendance to inspect the following works :

Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey

Inspection time : _____ Date : _____

Location :	INSPECTION ZONE	From Station	To Station
		155+340	155+520

References : _____ Specification: _____

Inspection : ☒ First ☐ Second ☐ Other

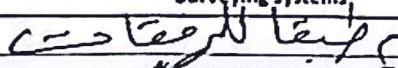
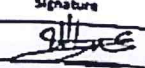
Purpose of the Inspection :

1. Earthwork ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Tension ☐ Side Ditches ☐ Other	3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Checkfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing	4. Surveying ☐ Clearing out ☐ Levels ☐ Verticality ☐ M/L
---	---	---	---

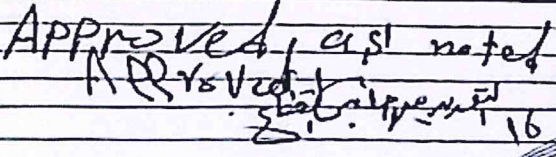
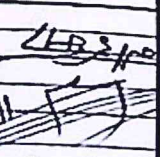
Others (specify) _____

Particular Details LAYER(-2.00) BACKFILL

Submitted by : _____ Signature : _____

Inspection Report :	Surveying systems	Signature
Surveyor		

The work have found to be : ☐ Approved (A) ☒ Approved as noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)

Inspection Report :	EnTrans Consulting	Signature
Structural Eng.	APPROVED as noted  16/11/2023	
Civil Eng. ✓		
E/M Eng.		
Arch. Eng.		
Resident Engineer		

The work have found to be : ☐ Approved (A) ☐ Approved as noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)

Signature : _____ Date : / /

Engineer's Representative "SYSTRA" comments : _____

Signature : _____ Date : / /

Attach all relevant particular test forms

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change in Contract Documents.

يطلب الأصل للهيئة العامة للطرق والكباري
ونسفخه للجهات الاستشارية والشركة المنفذة

Trains



الهيئة القومية للنقل
مؤسسة عامة



مشروع القطار السريع (أكتوبر / اسوان) القطاع الاول بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

ST	station	155+820	155+840	155+860	155+880	155+900	155+920	155+940	155+960	155+980	156+000															
DL	74.403	74.443	74.483	74.523	74.563	74.603	74.643	74.683	74.723	74.763	74.803	74.843	74.883	74.923	74.964	75.004	75.044	75.084	75.124	75.164	75.204	75.244	75.284	75.324	75.364	
forma	73.503	73.543	73.583	73.623	73.663	73.703	73.743	73.783	73.823	73.863	73.903	73.943	73.983	74.023	74.064	74.104	74.144	74.184	74.224	74.264	74.304	74.344	74.384	74.424	74.464	
NOL	70.446	70.398	69.955	69.932	69.812	69.921	70.041	70.515	70.555	70.864	70.99	70.588	70.876	71.74	71.948	73.302	72.871	73.254	73.684	73.724	73.764	73.804	73.844	73.884	73.924	73.964
0.25	73.253	73.293	73.333	73.373	73.413	73.453	73.493	73.533	73.573	73.613	73.653	73.693	73.733	73.773	73.814	73.854	73.894	73.934	73.974	74.014	74.054	74.094	74.134	74.174	74.214	
0.50	73.003	73.043	73.083	73.123	73.163	73.203	73.243	73.283	73.323	73.363	73.403	73.443	73.483	73.523	73.564	73.604	73.644	73.684	73.724	73.764	73.804	73.844	73.884	73.924	73.964	
0.75	72.753	72.793	72.833	72.873	72.913	72.953	72.993	73.033	73.073	73.113	73.153	73.193	73.233	73.273	73.314	73.354	73.394	73.434	73.474	73.514	73.554	73.594	73.634	73.674	73.714	
1.00	72.503	72.543	72.583	72.623	72.663	72.703	72.743	72.783	72.823	72.863	72.903	72.943	72.983	73.023	73.064	73.104	73.144	73.184	73.224	73.264	73.304	73.344	73.384	73.424		
1.25	72.253	72.293	72.333	72.373	72.413	72.453	72.493	72.533	72.573	72.613	72.653	72.693	72.733	72.773	72.814	72.854	72.894	72.934	72.974	73.014	73.054	73.094	73.134	73.174		
1.50	72.003	72.043	72.083	72.123	72.163	72.203	72.243	72.283	72.323	72.363	72.403	72.443	72.483	72.523	72.564	72.604	72.644	72.684	72.724	72.764	72.804	72.844	72.884	72.924		
1.75	71.753	71.793	71.833	71.873	71.913	71.953	71.993	72.033	72.073	72.113	72.153	72.193	72.233	72.273	72.314	72.354	72.394	72.434	72.474	72.514	72.554	72.594	72.634	72.674		
2.00	71.503	71.543	71.583	71.623	71.663	71.703	71.743	71.783	71.823	71.863	71.903	71.943	71.983	72.023	72.064	72.104	72.144	72.184	72.224	72.264	72.304	72.344	72.384	72.424		
2.50	71.003	71.043	71.083	71.123	71.163	71.203	71.243	71.283	71.323	71.363	71.403	71.443	71.483	71.523	71.564	71.604	71.644	71.684	71.724	71.764	71.804	71.844	71.884	71.924		
3.00	70.503	70.543	70.583	70.623	70.663	70.703	70.743	70.783	70.823	70.863	70.903	70.943	70.983	71.023	71.064	71.104	71.144	71.184	71.224	71.264	71.304	71.344	71.384	71.424		
3.50	70.003	70.043	70.083	70.123	70.163	70.203	70.243	70.283	70.323	70.363	70.403	70.443	70.483	70.523	70.564	70.604	70.644	70.684	70.724	70.764	70.804	70.844	70.884	70.924		
4.00	69.503	69.543	69.583	69.623	69.663	69.703	69.743	69.783	69.823	69.863	69.903	69.943	69.983	70.023	70.064	70.104	70.144	70.184	70.224	70.264	70.304	70.344	70.384	70.424		
4.50	69.003	69.043	69.083	69.123	69.163	69.203	69.243	69.283	69.323	69.363	69.403	69.443	69.483	69.523	69.564	69.604	69.644	69.684	69.724	69.764	69.804	69.844	69.884	69.924		
5.00	68.503	68.543	68.583	68.623	68.663	68.703	68.743	68.783	68.823	68.863	68.903	68.943	68.983	69.023	69.064	69.104	69.144	69.184	69.224	69.264	69.304	69.344	69.384	69.424		
5.50	68.003	68.043	68.083	68.123	68.163	68.203	68.243	68.283	68.323	68.363	68.403	68.443	68.483	68.523	68.564	68.604	68.644	68.684	68.724	68.764	68.804	68.844	68.884	68.924		
DIFF	3.057	3.145	3.278	3.691	3.851	3.782	3.702	3.268	3.268	2.999	2.913	3.355	3.107	2.283	2.116	0.802	1.273	0.954	0.314	1.004	1.024	1.074	1.044	1.024	0.984	
LAYER	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
THICK OF LAYER	0.057	0.145	0.128	0.191	0.351	0.282	0.702	0.268	0.268	0.499	0.413	0.355	0.107	0.283	0.116	0.052	0.273	0.704	0.314	1.004	0.374	0.574	0.044	0.274	0.484	

مهندس الاستشاري

عبد السلام

الشركة المصرية لتجارة الحديد والاسمنت

مهندس الاستشاري

12/26/99

بسم الله الرحمن الرحيم
الحمد لله رب العالمين

ميول وعروض طبقات الردم _ (34 م ردم)

العرض في الجانب الأيسر	العرض في الجانب الأيمن	ميول الطبقة في الجانبين	الخصائص الطبقة عن مسلوب التسوية _ TOE	رقم الطبقة
-13.436	9.936	4%	0	1
-13.835	10.335	4%	0.25	2
-14.234	10.734	4%	0.5	3
-14.633	11.133	4%	0.75	4
-15.032	11.532	4%	1	5
-15.188	11.743	3%	1.25	6
-15.340	11.948	2%	1.5	7
-15.487	12.147	1%	1.75	8
-15.630	12.340	0%	2	9
-16.005	12.715	0%	2.25	10
-16.380	13.090	0%	2.5	11
-16.755	13.465	0%	2.75	12
-17.130	13.840	0%	3	13
-17.505	14.215	0%	3.25	14
-17.880	14.590	0%	3.5	15
-18.255	14.965	0%	3.75	16
-18.630	15.340	0%	4	17
-19.005	15.715	0%	4.25	18
-19.380	16.090	0%	4.5	19
-19.755	16.465	0%	4.75	20
-20.130	16.840	0%	5	21
-20.505	17.215	0%	5.25	22
-20.880	19.590	0%	5.5	23
-23.255	19.965	0%	5.75	24
-23.630	20.340	0%	6	25
-24.005	20.715	0%	6.25	26
-24.380	21.090	0%	6.5	27
-24.755	21.465	0%	6.75	28

مدير المشروع
م. عثمان سعيد
م. عبد مصلح الهادي
مدير المكتب الفني
١٤٤١ هـ - ١٤٤٢ م

sand cone test

Date / 22/11/2023
company / المصرية
project / انشاء القطار الكهربائي السريع القطاع الاول من اكتوبر الى اسوان
Layer No / -1.75
Station / 155+340: 155+520

Hole numper	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	9912	9963	9984	10024				
Weight of sand cone after test (g)	5831	5805	5814	6273				
Weight of the wet sample(g)	3907	4014	4317	3440				
Weight of sand filling the cone (g)	1396							
Mositure content %	6	6	8	6				
Maximum dry density(g /cm3)	2.112							
sand density (g/cm3)	1.47							
Required relative compaction %	95%							
Relative Compaction %	95.55	95.43	100.29	95.91				

Lab.Eng /

Consuiant Eng /

مستند رقم 157/0

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		وتسلم الاصل للهيئة العامة للطرق والكباري والى الجهات المختصة للجهات	
Signature : _____ Date : / / _____			
Engineer's Representative " SYSTRA " comments : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____			
Inspection Report : Enttrans Consulting			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)			
Surveyor _____			
Inspection Report : Surveying systems			
Submitted by : _____ Signature : _____			
Particular Details Others (specify) _____			
LAYER(-.75) BACKFILL			
Purpose of the inspection :			
1. Earthworks ☐ Stripping ☐ Natural sub grade ☐ Upper Embankment ☐ Excavation 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Vertically ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concrete ☐ Earthing			
Inspection : ☐ First ☐ Second ☐ Other			
References			
Location : INSPECTION ZONE			
From Station 155+980 To Station 156+140			
Inspection time : _____ Date : _____			
Discipline : ☐ CIVIL/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Contractor			
OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)			
Employer Consultant			
From october to Aswan			
Request No L-127			
Date 28/11/2023			
GARB Consultant			

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		وتسلم الاصل للهيئة العامة للطرق والكباري والهيئة العامة للجهات الاستشارية والمختصة	
Signature : _____ Date : / /			
Engineer's Representative " SYSTRA " comments :			
The work have found to be : ☐ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☒ Rejected (D)			
Resident Engineer			
Structural Eng.		Civil Eng.	
E/M Eng.		Arch. Eng.	
Signature		Signature	
Inspection Report :			
The work have found to be : ☐ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)		Surveyor	
Signature		Signature	
Inspection Report :			
Surveying systems			
Submitted by : _____ Signature : _____			
Particular Details			
Others (specify)			
LAYER(-.75) BACKFILL			
Purpose of the inspection :			
1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment			
2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other			
3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection			
4. Surveying ☐ Setting out ☐ Levels ☐ Vertically ☐ NGL			
5. Structure ☐ Formwork ☐ Reinforcement ☐ Concrete ☐ Earthing			
Inspection : ☒ First ☐ Second ☐ Third			
References			
Location :		INSPECTION ZONE	
From Station		To Station	
155+980		156+140	
Date :			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Contractor		Employer Consultant	
OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)		Electric Express Train - HSR From october to Aswan	
GARB Consultant		Date	
26-11-2023		L-127	
Request No		Request No	



OCTOBER ARVAN ELECTRIC EXPRESS TRAIN (OUEX) SPEED DATA
SECTION ONE (OCTOBER - JANUARY)

Engineering
CONSULTING



المهندسين الاستشاريين
الهندسة المدنية والبيئية



Station	156+980	156+140
From	156+980	156+140
TO		

Station	156+980	156+140
From	156+980	156+140
TO		

7.5-4.5m

Station	TOP OF SUB GRADE (CENTER)			LEFT					Right					SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL	15.143	12.00	8.00	4.00	P.G.C.L	4.00	8.00	11.00	11.643				L	R	
156+980	267980.354	3179592.131	74.424	EXIST.LEVEL 73.67	DES.READ 73.67	ACT.READ 73.67								0.00%	0.00%	15.143	11.643	26.786
				DEF 73.71	73.71	73.71	73.71	73.71	73.71	73.71	73.71	73.71						
156+000	267965.728	3179578.490	74.464	EXIST.LEVEL 73.75	DES.READ 73.75	ACT.READ 73.75								0.00%	0.00%	15.143	11.643	26.786
				DEF 73.75	73.75	73.75	73.75	73.75	73.75	73.75	73.75	73.75						
156+020	267951.101	3179564.85	74.504	EXIST.LEVEL 73.79	DES.READ 73.79	ACT.READ 73.79								0.00%	0.00%	15.143	11.643	26.786
				DEF 73.79	73.79	73.79	73.79	73.79	73.79	73.79	73.79	73.79						
156+040	267936.474	3179551.209	74.544	EXIST.LEVEL 73.83	DES.READ 73.83	ACT.READ 73.83								0.00%	0.00%	15.143	11.643	26.786
				DEF 73.83	73.83	73.83	73.83	73.83	73.83	73.83	73.83	73.83						
156+060	267921.848	3179537.569	74.584	EXIST.LEVEL 73.87	DES.READ 73.87	ACT.READ 73.87								0.00%	0.00%	15.143	11.643	26.786
				DEF 73.87	73.87	73.87	73.87	73.87	73.87	73.87	73.87	73.87						
156+080	267907.221	3179523.928	74.624	EXIST.LEVEL 73.91	DES.READ 73.91	ACT.READ 73.91								0.00%	0.00%	15.143	11.643	26.786
				DEF 73.91	73.91	73.91	73.91	73.91	73.91	73.91	73.91	73.91						
156+100	267892.595	3179510.288	74.664	EXIST.LEVEL 73.95	DES.READ 73.95	ACT.READ 73.95								0.00%	0.00%	15.143	11.643	26.786
				DEF 73.95	73.95	73.95	73.95	73.95	73.95	73.95	73.95	73.95						
156+120	267877.968	3179496.647	74.704	EXIST.LEVEL 73.99	DES.READ 73.99	ACT.READ 73.99								0.00%	0.00%	15.143	11.643	26.786
				DEF 73.99	73.99	73.99	73.99	73.99	73.99	73.99	73.99	73.99						
156+140	267863.342	3179483.007	74.744	EXIST.LEVEL 74.00	DES.READ 74.00	ACT.READ 74.00								0.00%	0.00%	15.143	11.643	26.786
				DEF 74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00						

المهندس الاستشاري

26-11-2023

المهندس الشركة

26-11-2023

ميول وعروض طبقات الردم - (34 م ردم)

في حالة طريق الخدمة في الجهة اليسرى ويكون قناة جانبية

Typical Fill 1

رقم الطبقة	انخفاض الطبقة عن مستوى التسوية - TOE	ميول الطبقة في الجانبين	العرض في الجانب اليمين	العرض في الجانب اليسر
1	0	4%	9.936	-13.436
2	0.25	4%	10.335	-13.835
3	0.5	4%	10.734	-14.234
4	0.75	4%	11.133	-14.633
5	1	4%	11.532	-15.032
6	1.25	3%	11.743	-15.188
7	1.5	2%	11.948	-15.340
8	1.75	1%	12.147	-15.487
9	2	0%	12.340	-15.630
10	2.25	0%	12.715	-16.005
11	2.5	0%	13.090	-16.380
12	2.75	0%	13.465	-16.755
13	3	0%	13.840	-17.130
14	3.25	0%	14.215	-17.505
15	3.5	0%	14.590	-17.880
16	3.75	0%	14.965	-18.255
17	4	0%	15.340	-18.630
18	4.25	0%	15.715	-19.005
19	4.5	0%	16.090	-19.380
20	4.75	0%	16.465	-19.755
21	5	0%	16.840	-20.130
22	5.25	0%	17.215	-20.505
23	5.5	0%	19.590	-20.880
24	5.75	0%	19.965	-23.255
25	6	0%	20.340	-23.630
26	6.25	0%	20.715	-24.005
27	6.5	0%	21.090	-24.380
28	6.75	0%	21.465	-24.755

مدير المشروع

م. شعبان سعيد

الموافق ١٤٤٣/١١/١٩

م. عبد المحسن العبدالله

م. عبد المحسن العبدالله

١٤٤٣/١١/١٩

Handwritten signature and notes at the top right.

station	Left	Right
155+980	0.51	0.51
156+000	0.51	0.51
156+020	0.51	0.51
156+040	0.51	0.51
156+060	0.51	0.51
156+080	0.51	0.51
156+100	0.51	0.51
156+120	0.51	0.51
156+140	12.1	12.1
156+160	12.1	12.1
156+180	12.1	12.1
156+200	12.1	12.1
156+220	12.1	12.1
156+240	12.1	12.1
156+260	12.1	12.1
156+280	12.1	12.1
156+300	12.1	12.1
156+320	12.1	12.1
156+340	12.1	12.1
156+360	12.1	12.1
156+380	12.1	12.1
156+400	12.1	12.1
156+420	12.1	12.1
156+440	12.1	12.1
156+460	12.1	12.1
156+480	12.1	12.1
156+500	12.1	12.1
156+520	12.1	12.1
156+540	12.1	12.1
156+560	12.1	12.1
156+580	12.1	12.1
156+600	12.1	12.1
156+620	12.1	12.1
156+640	12.1	12.1
156+660	12.1	12.1
156+680	12.1	12.1
156+700	12.1	12.1
156+720	12.1	12.1
156+740	19.5	19.5
156+760	19.5	19.5
156+780	19.5	19.5
156+800	19.5	19.5
156+820	19.5	19.5
156+840	19.5	19.5
156+860	19.5	19.5
156+880	19.5	19.5
156+900	19.5	19.5
156+920	19.5	19.5
156+940	19.5	19.5
156+960	19.5	19.5
156+980	19.5	19.5
157+000	19.5	19.5
157+020	19.5	19.5
157+040	19.5	19.5
157+060	19.5	19.5
157+080	19.5	19.5
157+100	19.5	19.5
157+120	19.5	19.5
157+140	19.5	19.5
157+160	12.1	12.1
157+180	12.1	12.1
157+200	12.1	12.1
157+220	12.1	12.1
157+240	12.1	12.1
157+260	12.1	12.1
157+280	12.1	12.1
157+300	12.1	12.1
157+320	12.1	12.1
157+340	12.1	12.1
157+360	12.1	12.1
157+380	12.1	12.1
157+400	12.1	12.1
157+420	12.1	12.1
157+440	12.1	12.1
157+460	12.1	12.1
157+480	12.1	12.1
157+500	12.1	12.1

Handwritten notes on the left side, including "100m" and "100m".

Handwritten number "6" in the center.

Handwritten text at the bottom: "بیت المصطفى لخدمة المصطفى *".



Ministry of Transport and Infrastructure

الهيئة العامة للطيران المدني



مشروع القطار السريع (أكتوبر / اسوان) القطاع الأول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500
الشركة المصرية لتجارة الحديد والاسمنت

SIT	155+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820	155+840	155+860	155+880	155+900	155+920	155+940	155+960	155+980	156+000
station	155+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820	155+840	155+860	155+880	155+900	155+920	155+940	155+960	155+980	156+000
DL	74.403	74.443	74.483	74.523	74.563	74.603	74.643	74.683	74.723	74.763	74.803	74.843	74.883	74.923	74.964	75.004	75.044	75.084	75.124	75.164	75.204	75.244	75.284	75.324	75.364
fema	73.503	73.543	73.583	73.623	73.663	73.703	73.743	73.783	73.823	73.863	73.903	73.943	73.983	74.023	74.064	74.104	74.144	74.184	74.224	74.264	74.304	74.344	74.384	74.424	74.464
NGL	70.446	70.398	69.955	69.932	69.812	69.921	70.041	70.515	70.555	70.864	70.99	70.588	70.876	71.74	71.948	73.302	72.871	73.23	73.51	73.26	73.28	73.27	73.34	73.4	73.48
0.25	73.253	73.293	73.333	73.373	73.413	73.453	73.493	73.533	73.573	73.613	73.653	73.693	73.733	73.773	73.814	73.854	73.894	73.934	73.974	74.014	74.054	74.094	74.134	74.174	74.214
0.50	73.003	73.043	73.083	73.123	73.163	73.203	73.243	73.283	73.323	73.363	73.403	73.443	73.483	73.523	73.564	73.604	73.644	73.684	73.724	73.764	73.804	73.844	73.884	73.924	73.964
0.75	72.753	72.793	72.833	72.873	72.913	72.953	72.993	73.033	73.073	73.113	73.153	73.193	73.233	73.273	73.314	73.354	73.394	73.434	73.474	73.514	73.554	73.594	73.634	73.674	73.714
1.00	72.503	72.543	72.583	72.623	72.663	72.703	72.743	72.783	72.823	72.863	72.903	72.943	72.983	73.023	73.064	73.104	73.144	73.184	73.224	73.264	73.304	73.344	73.384	73.424	
1.25	72.253	72.293	72.333	72.373	72.413	72.453	72.493	72.533	72.573	72.613	72.653	72.693	72.733	72.773	72.814	72.854	72.894								
1.50	72.003	72.043	72.083	72.123	72.163	72.203	72.243	72.283	72.323	72.363	72.403	72.443	72.483	72.523	72.564										
1.75	71.753	71.793	71.833	71.873	71.913	71.953	71.993	72.033	72.073	72.113	72.153	72.193	72.233	72.273	72.314										
2.00	71.503	71.543	71.583	71.623	71.663	71.703	71.743	71.783	71.823	71.863	71.903	71.943	71.983	72.023	72.064										
2.50	71.003	71.043	71.083	71.123	71.163	71.203	71.243	71.283	71.323	71.363	71.403	71.443	71.483												
3.00	70.503	70.543	70.583	70.623	70.663	70.703	70.743	70.783	70.823			70.943	70.983												
3.50			70.083	70.123	70.163	70.203	70.243																		
4.00																									
4.50																									
5.00																									
5.50																									
DIFF	3.057	3.145	3.628	3.691	3.851	3.782	3.702	3.268	3.268	2.999	2.913	3.355	3.407	2.283	2.116	0.802	1.273	0.954	0.914	1.004	1.024	1.074	1.044	1.024	0.984
LAVER	3	3	3.5	3.5	3.5	3.5	3	3	3	2.5	2.5	3	3	2	2	0.75	1	0.25	0	0	0.25	0.5	1	0.75	0.5
THICK OF LAYER	0.057	0.145	0.128	0.191	0.351	0.282	0.702	0.268	0.268	0.499	0.413	0.355	0.107	0.283	0.116	0.052	0.273	0.704	0.914	1.004	0.774	0.574	0.044	0.274	0.484

Approved

Pauline



John

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسخة للجهاز الاستشاري والقرابة المكلفة تسليم الأعمال للهيئة العامة للطرق والكباري	
Signature : / / Date : / /			
Engineer's Representative " SYSTRA " comments :			
Signature : / / Date : / /			
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Arch. Eng.			
E/M Eng.			
Civil Eng.			
Structural Eng.			
Inspection Report :			
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Surveyor			
Inspection Report :			
Submitted by :			
Particular Details			
Others (specify)			
1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment			
2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection			
3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection			
4. Surveying ☐ Setting out ☐ Levels ☐ Vertically ☐ NGL			
5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Purpose of the inspection : LAYER(-1.00) BACKFILL			
Inspection : ☐ First ☒ Second ☐ Third			
References			
Location :		INSPECTION ZONE	
From Station		156+040	
To Station		156+140	
Inspection time :		Date :	
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Contractor 		From Station: (154+000) To Station: (157+500)	
Employer Consultant 		OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR)	
Request No L-95		Date 25/9/2023	

Approved as Noted (B)
 25/9/2023
 Signature: / / Date: / /

Sand cone test

Date / 28/11/2023
 Company / المصرية
 Project / انشاء القطر الكهربائي السريع
 Layer No / -0.75
 Station / 155+980 : 156+140

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	8985	9925	9852	9654	9724	8845	9343	9211
Weight of sand cone after test (g)	4920	6355	5854	5610	6002	4670	5526	5311
Weight of the wet sample (g)	4011	3243	3874	3941	3481	4109	3548	3795
Weight of sand filling the cone (g)	1396							
Moisture content %	6.8	6.4	6.7	6.6	6.8	6.5	6.7	6.9
Maximum dry density (g/cm ³)	2.097							
Sand density (g/cm ³)	1.47							
Required relative compaction %	95%							
Relative compaction %	98.64	98.28	97.82	97.87	98.23	97.32	96.28	99.38

Consultant Eng /

Lab.Eng /

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسخته للجهات الاستشارية والشركة المنفذة يسلم العميل للهيئة العامة للطرق والكباري	
Signature : _____			
Date : / / _____			
Engineer's Representative " SYSTRA " comments : _____			
Signature : _____			
Date : 26/11/2023			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____			
Inspection Report : Enttrans Consulting Signature : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Inspection Report : Surveying systems Signature : _____			
Surveyor : _____			
Submitted by : _____ Signature : _____			
Particular Details Others (specify) _____			
Purpose of the inspection : 1. Earthworks ☐ Stripping ☐ Material Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Vertically ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Inspection : ☒ First ☐ Second ☐ Third			
References : _____			
Location : _____			
INSPECTION ZONE From Station : 155+820 To Station : 156+980			
Inspection time : _____			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Request No : L-126		Date : 26-11-2023	
Employer Consultant : 		Contractor : 	
From october to Aswan		OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	
			



OCTOBER ASYAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BAHJ ALMAZAN)

HEIRTRANS
CONSULTING



مكتب الدراسات والاستشارات
HEIRTRANS CONSULTING



Sub Inj	
Sub	
Sub Inj	

Station	
From	TO
155+820	155+980

1: 75= 1:100 scale

Station	TOP OF SUB GRADE (CENTER)				LEFT				P.G.C.L	Right				SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERRA LEVEL		14.633	12.00	8.00	4.00		4.00	8.00	11.00	11.133			L	R	
155+820	268097.367	3179701.255	74.104	EXIST.LEVEL	73.35	73.35	73.35	73.35	73.35	73.35	73.35	73.35	73.35	0.00%	0.00%	14.633	11.133	25.766
				DES.READ														
				ACT.READ														
				DEF	-1	-1	+2	+2	-1	-2	+2	-1	+1					
				EXIST.LEVEL	73.39	73.39	73.39	73.39	73.39	73.39	73.39	73.39	73.39	73.39				
155+840	268097.367	3179701.255	74.144	DES.READ									0.00%	0.00%	14.633	11.133	25.766	
				ACT.READ														
				DEF	-1	+2	+1	+2	+2	-1	+2	-2	+1					
				EXIST.LEVEL	73.43	73.43	73.43	73.43	73.43	73.43	73.43	73.43	73.43					
				ACT.READ														
155+860	268097.367	3179701.255	74.184	DES.READ									0.00%	0.00%	14.633	11.133	25.766	
				ACT.READ														
				DEF	+2	+1	+2	+2	+2	+1	+2	-1	-2	+1				
				EXIST.LEVEL	73.47	73.47	73.47	73.47	73.47	73.47	73.47	73.47	73.47					
				ACT.READ														
155+880	268053.487	3179660.333	74.224	DES.READ									0.00%	0.00%	14.633	11.133	25.766	
				ACT.READ														
				DEF	+2	+1	+2	+2	+2	+2	+1	+2	+1					
				EXIST.LEVEL	73.51	73.51	73.51	73.51	73.51	73.51	73.51	73.51	73.51					
				ACT.READ														
155+900	268038.860	3179646.693	74.264	DES.READ									0.00%	0.00%	14.633	11.133	25.766	
				ACT.READ														
				DEF	+1	+1	+2	+1	-1	+1	+2	+1	-2					
				EXIST.LEVEL	73.55	73.55	73.55	73.55	73.55	73.55	73.55	73.55	73.55					
				ACT.READ														
155+920	268024.234	3179633.052	74.304	DES.READ									0.00%	0.00%	14.633	11.133	25.766	
				ACT.READ														
				DEF	-1	+2	-2	+1	+2	+2	-2	-1	-3					
				EXIST.LEVEL	73.59	73.59	73.59	73.59	73.59	73.59	73.59	73.59	73.59					
				ACT.READ														
155+940	268009.607	3179619.412	74.344	DES.READ									0.00%	0.00%	14.633	11.133	25.766	
				ACT.READ														
				DEF	+1	-1	+2	+2	-1	-1	+1	+2	-2					
				EXIST.LEVEL	73.63	73.63	73.63	73.63	73.63	73.63	73.63	73.63	73.63					
				ACT.READ														
155+960	267994.981	3179605.771	74.384	DES.READ									0.00%	0.00%	14.633	11.133	25.766	
				ACT.READ														
				DEF	+2	-2	+1	+1	+2	+2	-1	-1	+2					
				EXIST.LEVEL	73.67	73.67	73.67	73.67	73.67	73.67	73.67	73.67	73.67					
				ACT.READ														
155+980	267980.354	3179592.131	74.424	DES.READ									0.00%	0.00%	14.633	11.133	25.766	
				ACT.READ														
				DEF	+2	-3	-2	-1	+2	+1	-2	+2	+3					
				EXIST.LEVEL														
				ACT.READ														

المهندس الاستشاري

مهندس الطريق

26-11-2023

ميول وعروض طبقات الردم - (34 م ردم)

في حالة طرق الخدمة في الجهة اليسرى وبدون قناة جانبية

Typical Fill 1

رقم الطبقة	انخفاض الطبقة عن مستوى التسوية - TOE	ميول الطبقة في الجانبين	المعرض في الجانب اليمين	المعرض في الجانب اليسر
1	0	4%	9.936	-13.436
2	0.25	4%	10.335	-13.835
3	0.5	4%	10.734	-14.234
4	0.75	4%	11.133	-14.633
5	1	4%	11.532	-15.032
6	1.25	3%	11.743	-15.188
7	1.5	2%	11.948	-15.340
8	1.75	1%	12.147	-15.487
9	2	0%	12.340	-15.630
10	2.25	0%	12.715	-16.005
11	2.5	0%	13.090	-16.380
12	2.75	0%	13.465	-16.755
13	3	0%	13.840	-17.130
14	3.25	0%	14.215	-17.505
15	3.5	0%	14.590	-17.880
16	3.75	0%	14.965	-18.255
17	4	0%	15.340	-18.630
18	4.25	0%	15.715	-19.005
19	4.5	0%	16.090	-19.380
20	4.75	0%	16.465	-19.755
21	5	0%	16.840	-20.130
22	5.25	0%	17.215	-20.505
23	5.5	0%	19.590	-20.880
24	5.75	0%	19.965	-23.255
25	6	0%	20.340	-23.630
26	6.25	0%	20.715	-24.005
27	6.5	0%	21.090	-24.380
28	6.75	0%	21.465	-24.755

مدير المشروع

م. شعلان سعيد

المراقب
م. محمد بن عبد الله

مدير المكتب الفني

م. عمر مصطفى الهادي

٢٠٢٢-١-٩



Tirans

الهيئة العامة للنقل



مشروع القطار السريع (اكثوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

ST	154+000										157+500									
	154+000	154+020	154+040	154+060	154+080	154+100	154+120	154+140	154+160	154+180	154+200	154+220	154+240	154+260	154+280	154+300	154+320	154+340	154+360	154+380
station	154+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820	155+840	155+860	155+880	155+900

DL	74.403	74.443	74.483	74.523	74.563	74.603	74.643	74.683	74.723	74.763	74.803	74.843	74.883	74.923	74.964	75.004	75.044	75.084	75.124	75.164
ferma	73.503	73.543	73.583	73.623	73.663	73.703	73.743	73.783	73.823	73.863	73.903	73.943	73.983	74.023	74.064	74.104	74.144	74.184	74.224	74.264
NGI	70.446	70.398	69.955	69.932	69.812	69.921	70.041	70.515	70.555	70.864	70.99	70.588	70.876	71.74	71.948	73.302	72.871	73.23	73.31	73.26
0.25	73.253	73.293	73.333	73.373	73.413	73.453	73.493	73.533	73.573	73.613	73.653	73.693	73.733	73.773	73.814	73.854	73.894	73.934	73.974	74.014
0.50	73.003	73.043	73.083	73.123	73.163	73.203	73.243	73.283	73.323	73.363	73.403	73.443	73.483	73.523	73.564	73.604	73.644	73.684	73.724	73.764
0.75	72.753	72.793	72.833	72.873	72.913	72.953	72.993	73.033	73.073	73.113	73.153	73.193	73.233	73.273	73.314	73.354	73.394	73.434	73.474	73.514
1.00	72.503	72.543	72.583	72.623	72.663	72.703	72.743	72.783	72.823	72.863	72.903	72.943	72.983	73.023	73.064	73.104	73.144	73.184	73.224	73.264
1.25	72.253	72.293	72.333	72.373	72.413	72.453	72.493	72.533	72.573	72.613	72.653	72.693	72.733	72.773	72.814	72.854	72.894	72.934	72.974	73.014
1.50	72.003	72.043	72.083	72.123	72.163	72.203	72.243	72.283	72.323	72.363	72.403	72.443	72.483	72.523	72.564	72.604	72.644	72.684	72.724	72.764
1.75	71.753	71.793	71.833	71.873	71.913	71.953	71.993	72.033	72.073	72.113	72.153	72.193	72.233	72.273	72.314	72.354	72.394	72.434	72.474	72.514
2.00	71.503	71.543	71.583	71.623	71.663	71.703	71.743	71.783	71.823	71.863	71.903	71.943	71.983	72.023	72.064	72.104	72.144	72.184	72.224	72.264
2.50	71.003	71.043	71.083	71.123	71.163	71.203	71.243	71.283	71.323	71.363	71.403	71.443	71.483	71.523	71.564	71.604	71.644	71.684	71.724	71.764
3.00	70.503	70.543	70.583	70.623	70.663	70.703	70.743	70.783	70.823	70.863	70.903	70.943	70.983	71.023	71.064	71.104	71.144	71.184	71.224	71.264
3.50	70.003	70.043	70.083	70.123	70.163	70.203	70.243	70.283	70.323	70.363	70.403	70.443	70.483	70.523	70.564	70.604	70.644	70.684	70.724	70.764
4.00	69.503	69.543	69.583	69.623	69.663	69.703	69.743	69.783	69.823	69.863	69.903	69.943	69.983	70.023	70.064	70.104	70.144	70.184	70.224	70.264
4.50	69.003	69.043	69.083	69.123	69.163	69.203	69.243	69.283	69.323	69.363	69.403	69.443	69.483	69.523	69.564	69.604	69.644	69.684	69.724	69.764
5.00	68.503	68.543	68.583	68.623	68.663	68.703	68.743	68.783	68.823	68.863	68.903	68.943	68.983	69.023	69.064	69.104	69.144	69.184	69.224	69.264
5.50	68.003	68.043	68.083	68.123	68.163	68.203	68.243	68.283	68.323	68.363	68.403	68.443	68.483	68.523	68.564	68.604	68.644	68.684	68.724	68.764
DIF	3.057	3.145	3.628	3.691	3.851	3.782	3.702	3.268	3.268	2.999	2.913	3.355	3.107	2.283	2.116	0.802	1.273	0.954	0.914	1.004
LAYER	3	3	3.5	3.5	3.5	3.5	3	3	3	2.5	2.5	3	3	2	2	0.75	1	0.25	0	0
THICK OF LAYER	0.057	0.145	0.128	0.191	0.351	0.282	0.702	0.268	0.268	0.499	0.413	0.355	0.107	0.283	0.116	0.052	0.273	0.704	0.914	1.004

5- Approved

Pauline NP

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسبته للجهات المختصة والمقررة وسلم العمل للجهة العامة للطرق والكباري	
Signature : _____ Date : / /			
Engineer's Representative "SYSTRA" comments : _____			
Signature : _____ Date : / /			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Structural Eng.	Civil Eng.	E/M Eng.	Arch. Eng.
Inspection Report : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Surveyor			
Inspection Report : _____			
Submitted by : _____			
Particular Details			
Others (specify)			
Purpose of the inspection :			
1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Vertically ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Inspection : @First ☐ Second ☐ Other ☐			
References			
Location :			
Inspection time :			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Request No	From october to Aswan Electric Express Train - HSR	From Station: (154+000) To Station: (157+500) SECTION ONE (OCTOBER - BANI MAZAR) SPEED RAIL OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH	Contractor
Date	GARB Consultant	SYSTRA CONSULTING	Employer Consultant

2023/05/05

الشركة المصرية للمقاولات والتجارة
 قسما للتجارة الخارجية
 157/500
 154/000

2023-05-05

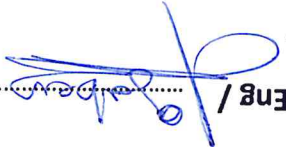
Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسخه الأجهزة الاستشارية والطرق والكباري إسلام الأصول للهيئة العامة للطرق والكباري	
Signature : / /			
Engineer's Representative " SYSTRA " comments :			
Signature : / /			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised/ Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Arch. Eng.		E/M Eng.	
Civil Eng.		Structural Eng.	
Inspection Report : Entrens Consulting Signature :		Inspection Report : Surveying systems Signature :	
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised/ Resubmit (C) ☐ Rejected (D)			
Submitted by : Signature :			
Particular Details			
Others (specify)			
Purpose of the Inspection : 1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing LAYER-(1.00) BACKFILL 10V/0.103			
Inspection : ☒ First ☐ Second ☐ Third			
References			
Location :		INSPECTION ZONE	
From Station 155+900 To Station 156+000		From Station 155+900 To Station 156+000	
Inspection time : Date :			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Contractor OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR)		Employer Consultant Electric Express Train - HSR	
From Station: (154+000) To Station: (157+500)		From october to Aswan	
GARB Consultant Entrens Consulting		Date 25/9/2023	
Request No		L-94	

X

Sand cone test

Date / 27/11/2023
 Company / المصرية
 Project / انشاء القطار الكهربائي السريع
 Layer No / -0.75
 Station / 155+820 : 155+980

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	10133	9992	9801	9624	9437	9143	8920	8714
Weight of sand cone after test (g)	6325	6088	5925	5785	5812	5586	5102	4756
Weight of the wet sample (g)	3502	3758	3682	3577	3324	3241	3568	3756
Weight of sand filling the cone (g)	1396							
Moisture content %	6.5	6.9	6.7	6.2	6.4	6.8	6.5	6.3
Maximum dry density (g/cm ³)	2.097							
Sand density (g/cm ³)	1.47							
Required relative compaction %	95%							
Relative compaction %	95.57	98.26	97.54	96.65	98.25	98.44	96.97	96.68

Lab. Eng /  / Consultant Eng / 

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.				ونسبته للجهات المختصة والجهة المختصة بالقرارات	
Attach all relevant particular test forms					
Signature : _____ Date : / /					
Engineer's Representative " SYSTRA " comments : _____					
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)					
Resident Engineer					
Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____					
Inspection Report : EnTrans Consulting					
Signature : _____ Date : 19/11/2023					
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)					
Surveyor					
Inspection Report : Surveying systems					
Signature : _____					
Submitted by : _____					
Particular Details					
Others (specify) _____					
LAYER(-1.25) BACKFILL					
Purpose of the inspection :					
1. Earthwork : ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation					
2. Civil Work : ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection					
3. Drainage : ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection					
4. Surveying : ☐ Setting out ☐ Levels ☐ Vertically ☐ NGI					
5. Structure : ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing					
Inspection : ☒ First ☐ Second ☐ Third					
References :					
Location :					
INSPECTION ZONE					
From Station 154+980 To Station 155+100					
Date :					
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey					
We request your attendance to inspect the following works :					
Request for Inspection					
Contractor					
OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR)					
From Station: (154+000) To Station: (157+500)					
Employer Consultant					
From october to Aswan					
Electric Express Train - HSR					
Request No L-125					
Date 19/11/2023					



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)



المساحة
طريق
مساحة الطريق

Station	
From	TO
154+980	155+100

ملاحظات: طبقه 1.25 م

Station	TOP OF SUB GRADE (CENTER)				LEFT				P.G.C.L	Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL		15.188	12.00	8.00	4.00		4.00	8.00	11.743			L	R	
154+980	268711.68	3180274.2	70.987	EXIST.LEVEL	69.28	69.38	69.50	69.62	69.74	69.62	69.50	69.38	3%	3%	15.188	11.743	26.931
				DES.READ													
				ACT.READ													
				DEF	+2	+1	+2	-1	-2	+2	+1	-1					
155+000	268697.06	3180260.5	71.100	EXIST.LEVEL	69.39	69.49	69.61	69.73	69.85	69.73	69.61	69.50	3%	3%	15.188	11.743	26.931
				DES.READ													
				ACT.READ													
				DEF	+1	-2	-1	+2	+1	+1	+2	-1					
155+020	268682.43	3180246.9	71.213	EXIST.LEVEL	69.51	69.60	69.72	69.84	69.96	69.84	69.72	69.61	3%	3%	15.188	11.743	26.931
				DES.READ													
				ACT.READ													
				DEF	+2	+1	+2	+1	+2	-1	-2	+1					
155+040	268667.8	3180233.2	71.326	EXIST.LEVEL	69.62	69.72	69.84	69.96	70.08	69.96	69.84	69.72	3%	3%	15.188	11.743	26.931
				DES.READ													
				ACT.READ													
				DEF	-2	+2	+1	-2	+2	+1	+2	+1					
155+060	268653.18	3180219.6	71.440	EXIST.LEVEL	69.73	69.83	69.95	70.07	70.19	70.07	69.95	69.84	3%	3%	15.188	11.743	26.931
				DES.READ													
				ACT.READ													
				DEF	+1	+2	-1	+2	+1	-2	-2	+2					
155+080	268638.55	3180206	71.553	EXIST.LEVEL	69.85	69.94	70.06	70.18	70.30	70.18	70.06	69.95	3%	3%	15.188	11.743	26.931
				DES.READ													
				ACT.READ													
				DEF	+1	-2	-2	+2	+2	-2	-1	-2					
155+100	268623.92	3180192.3	71.666	EXIST.LEVEL	69.96	70.06	70.18	70.30	70.42	70.30	70.18	70.06	3%	3%	15.188	11.743	26.931
				DES.READ													
				ACT.READ													
				DEF	-1	+2	+1	-2	+1	+1	+2	+2					

المهندس الاستشاري

مهندس الشركة



الهيئة العامة للغذاء والدواء
Saudi Food & Drug Administration

الهيئة العامة للغذاء والدواء
Saudi Food & Drug Administration

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الهيئة العامة للغذاء والدواء
Saudi Food & Drug Administration

مشروع القطار السريع / اسوان القطاع الاول قطاع بطول 3.5 كم من 154+000 الى 157+500
الشركة المصرية لتجارة الحديد والاسمنت

CUT	SIT	154+320	154+340	154+360	154+380	154+400	154+420	154+440	154+460	154+480	154+500	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020	
FILE	SECTION	154+320	154+340	154+360	154+380	154+400	154+420	154+440	154+460	154+480	154+500	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020	
	DL	69.281	69.394	69.507	69.621	69.734	69.847	69.961	70.074	70.187	70.3	70.414	70.527	70.64	70.754	70.867	70.98	71.094	71.207	71.32	71.433	71.547	71.66	71.773	71.887	72	72.113											
	forma	68.381	68.494	68.607	68.721	68.834	68.947	69.061	69.174	69.287	69.4	69.514	69.627	69.74	69.854	69.967	70.08	70.194	70.307	70.42	70.533	70.647	70.76	70.873	70.987	71.1	71.213											
	NGL	67.974	67.645	67.415	67.645	67.873	67.987	68.23	68.13	67.896	68.083	68.25	68.031	67.67	67.652	68.009	67.988	68.117	67.999	67.85	68.089	68.224	68.202	68.55	68.497	68.148	67.979											
	0.25	68.131	68.244	68.357	68.471	68.584	68.697	68.811	68.924	69.037	69.15	69.264	69.377	69.49	69.604	69.717	69.83	69.944	70.057	70.17	70.283	70.397	70.51	70.625	70.737	70.85	70.963											
	0.50		67.994	68.107	68.221	68.334	68.447	68.561	68.674	68.787	68.9	69.014	69.127	69.24	69.354	69.467	69.58	69.694	69.807	69.92	70.033	70.147	70.26	70.373	70.487	70.6	70.713											
	0.75		67.744	67.857	67.971	68.084	68.197	68.311	68.424	68.537	68.65	68.764	68.877	68.99	69.104	69.217	69.33	69.444	69.557	69.67	69.783	69.897	70.01	70.123	70.237	70.35	70.463											
	1.00			67.607	67.721				68.174	68.287	68.4	68.514	68.627	68.74	68.854	68.967	69.08	69.194	69.307	69.42	69.533	69.647	69.76	69.873	69.987	70.1	70.213											
	1.25								68.037	68.15	68.264	68.377	68.49	68.604	68.717	68.83	68.944	69.057	69.17	69.283	69.397	69.51	69.625	69.737	69.85	69.963												
	1.50												68.127	68.24	68.354	68.467	68.58	68.694	68.807	68.92	69.033	69.147	69.26	69.373	69.487	69.6	69.713											
	2.00													67.74	67.854		68.08	68.194	68.307	68.42	68.533	68.647	68.76	68.873	68.987	69.1	69.213											
	2.50																																					
	3.00																																					
	4.00																																					
	5.00																																					
	DIFF	0.407	0.849	1.192	1.076	0.961	0.96	0.831	1.044	1.391	1.317	1.264	1.596	2.07	2.202	1.998	2.092	2.077	2.308	2.57	2.444	2.423	2.558	2.323	2.49	2.592	3.234											
	LAYER	0.25	0.75	1	1	0.75	0.75	0.75	1	1.25	1.25	1.25	1.5	2	2	1.75	2	2	2	2.5	2	2	2.5	2	2	2.5	3											
	THICK OF LAYER	0.157	0.099	0.192	0.076	0.211	0.21	0.081	0.044	0.141	0.067	0.014	0.096	0.07	0.202	0.208	0.092	0.077	0.308	0.07	0.444	0.423	0.058	0.323	0.49	0.452	0.234											

مهندس الاستشاري
0.1.0.0

المقاول



157+500 كم 154+000 الى 157+500 كم من 3.5 بطول قطاع الاول القطاع اسوان / اكتوبر / السريح القطار السريع
الشركة المصرية لتجارة الحديد والاسمنت

FILE	155+040	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500
DL	72.226	72.34	72.453	72.566	72.68	72.793	72.906	73.019	73.133	73.246	73.359	73.473	73.586	73.699	73.811	73.914	74.004	74.081	74.147	74.2	74.243	74.283	74.323	74.363
Barma	71.326	71.44	71.553	71.666	71.78	71.893	72.006	72.119	72.233	72.346	72.459	72.573	72.686	72.799	72.911	73.014	73.104	73.181	73.247	73.3	73.343	73.383	73.423	73.463
NGL	67.982	66.772	66.75	67.843	68.104	68.124	68.089	68.542	68.764	69.004	68.863	68.787	68.993	69.193	69.438	70.113	69.732	67.935	67.92	69.893	69.719	69.43	69.859	70.234
0.25	71.076	71.19	71.303	71.416	71.53	71.643	71.756	71.869	71.983	72.096	72.209	72.323	72.436	72.549	72.661	72.764	72.854	72.931	72.997	73.05	73.093	73.133	73.173	73.213
0.50	70.826	70.94	71.053	71.166	71.28	71.393	71.506	71.619	71.733	71.846	71.959	72.073	72.186	72.299	72.411	72.514	72.604	72.681	72.747	72.8	72.843	72.883	72.923	72.963
0.75	70.576	70.69	70.803	70.916	71.03	71.143	71.256	71.369	71.483	71.596	71.709	71.823	71.936	72.049	72.161	72.264	72.354	72.431	72.497	72.55	72.593	72.633	72.673	72.713
1.00	70.326	70.44	70.553	70.666	70.78	70.893	71.006	71.119	71.233	71.346	71.459	71.573	71.686	71.799	71.911	72.014	72.104	72.181	72.247	72.3	72.343	72.383	72.423	72.463
1.25	70.076	70.19	70.303	70.416	70.53	70.643	70.756	70.869	70.983	71.096	71.209	71.323	71.436	71.549	71.661	71.764	71.854	71.931	71.997	72.05	72.093	72.133	72.173	72.213
1.50	69.826	69.94	70.053	70.166	70.28	70.393	70.506	70.619	70.733	70.846	70.959	71.073	71.186	71.299	71.411	71.514	71.604	71.681	71.747	71.8	71.843	71.883	71.923	71.963
1.75	69.576	69.69	69.803	69.916	70.03	70.143	70.256	70.369	70.483	70.596	70.709	70.823	70.936	71.049	71.161	71.264	71.354	71.431	71.497	71.55	71.593	71.633	71.673	71.713
2.00	69.326	69.44	69.553	69.666	69.78	69.893	70.006	70.119	70.233	70.346	70.459	70.573	70.686	70.799	70.911	71.014	71.104	71.181	71.247	71.3	71.343	71.383	71.423	71.463
2.50	68.826	68.94	69.053	69.166	69.28	69.393	69.506	69.619	69.733	69.846	69.959	70.073	70.186	70.299	70.411	70.514	70.604	70.681	70.747	70.8	70.843	70.883	70.923	70.963
3.00	68.326	68.44	68.553	68.666	68.78	68.893	69.006	69.119	69.233	69.346	69.459	69.573	69.686	69.799	69.911	70.014	70.104	70.181	70.247	70.3	70.343	70.383	70.423	70.463
3.50	67.94	68.053	68.166	68.28	68.393	68.506	68.619	68.733	68.846	68.959	69.073	69.186	69.299	69.411	69.514	69.604	69.681	69.747	69.8	69.843	69.883	69.923	69.963	
4.00	67.44	67.553	67.666	67.78	67.893	68.006	68.119	68.233	68.346	68.459	68.573	68.686	68.799	68.911	69.014	69.104	69.181	69.247	69.3	69.343	69.383	69.423	69.463	
4.50	66.94	67.053	67.166	67.28	67.393	67.506	67.619	67.733	67.846	67.959	68.073	68.186	68.299	68.411	68.514	68.604	68.681	68.747	68.8	68.843	68.883	68.923	68.963	
5.00	66.44	66.553	66.666	66.78	66.893	67.006	67.119	67.233	67.346	67.459	67.573	67.686	67.799	67.911	68.014	68.104	68.181	68.247	68.3	68.343	68.383	68.423	68.463	
5.50	65.94	66.053	66.166	66.28	66.393	66.506	66.619	66.733	66.846	66.959	67.073	67.186	67.299	67.411	67.514	67.604	67.681	67.747	67.8	67.843	67.883	67.923	67.963	
DIFF	3.344	4.668	4.803	3.823	3.676	3.769	3.917	3.577	3.469	3.342	3.596	3.786	3.693	3.606	3.473	2.901	3.372	5.266	5.327	3.407	3.624	3.953	3.564	3.229
LAVER	3	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	3.5	3	3	2.5	3	5	5	3	3.5	3.5	3.5	3
THICK OF LAVER	0.344	0.168	0.303	0.323	0.176	0.269	0.417	0.077	0.469	0.342	0.096	0.286	0.193	1.106	0.473	0.401	0.372	0.246	0.327	0.407	0.124	0.453	0.064	0.229

مهندس الاستشاري
20/10/2019

مهندس المرافق
20/10/2019

ميول وعروض طبقات الردم - (34 م ردم)

Typical Fill 1

المريض في الجانب الأيسر	المريض في الجانب الأيمن	ميول الطبقة في الجانبين	الانخفاض الطبقة عن مستوى TOE - النسبة	رقم الطبقة
-13.436	9.936	4%	0	1
-13.835	10.335	4%	0.25	2
-14.234	10.734	4%	0.5	3
-14.633	11.133	4%	0.75	4
-15.032	11.532	4%	1	5
-15.188	11.743	3%	1.25	6
-15.340	11.948	2%	1.5	7
-15.487	12.147	1%	1.75	8
-15.630	12.340	0%	2	9
-16.005	12.715	0%	2.25	10
-16.380	13.090	0%	2.5	11
-16.755	13.465	0%	2.75	12
-17.130	13.840	0%	3	13
-17.505	14.215	0%	3.25	14
-17.880	14.590	0%	3.5	15
-18.255	14.965	0%	3.75	16
-18.630	15.340	0%	4	17
-19.005	15.715	0%	4.25	18
-19.380	16.090	0%	4.5	19
-19.755	16.465	0%	4.75	20
-20.130	16.840	0%	5	21
-20.505	17.215	0%	5.25	22
-20.880	19.590	0%	5.5	23
-23.255	19.965	0%	5.75	24
-23.630	20.340	0%	6	25
-24.005	20.715	0%	6.25	26
-24.380	21.090	0%	6.5	27
-24.755	21.465	0%	6.75	28

ملحق المشروع

م. شعبان سعيد

الموافق ١٠/١٠/٢٠١٩

ملحق المكتب الذي

م. عبد مصطفى الهادي

١٠/١٠/٢٠١٩

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.			
Signature : _____ Date : / /			
Engineer's Representative "SYSTRA" comments : _____			
Signature : _____ Date : 12/11/2023			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Structural Eng. ☒	Civil Eng. ☒	E/M Eng. ☒	Arch. Eng. ☒
Approved as noted			
Signature			
Inspection Report :			
Entrans Consulting			
Signature			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)			
Signature			
Surveyor			
Inspection Report :			
Surveying systems			
Signature : _____			
Submitted by :			
Particular Details			
Others (specify)			
LAYER(1.50) BACKFILL			
Purpose of the inspection :			
1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☐ Setting out ☐ Levels ☐ Vertically ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Inspection : ☒ First ☐ Second ☐ Third			
References			
Location :		INSPECTION ZONE	
From Station		154+980	
To Station		155+100	
Date :		Specification:	
Inspection time :			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Request No	From october to Aswan	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	Contractor
			
L-108	Date	12/11/2023	

Sand cone test

Date / 20/11/2023
 Company / المصرية
 Project / إنشاء القطار الكهربائي السريع
 Layer No / -1.25
 Station / 154+980 : 155+100

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	9750	9596	10357	10294	10147	10074		
Weight of sand cone after test (g)	5634	5234	6294	6101	6390	5968		
Weight of the wet sample (g)	4020	4510	4009	4231	3429	3973		
Weight of sand filling the cone (g)	1396							
Moisture content %	6.5	6.8	6.3	6.7	6.4	6.2		
Maximum dry density (g/cm ³)	2.112							
Sand density (g/cm ³)	1.47							
Required relative compaction %	95%							
Relative compaction %	96.59	99.10	98.42	98.68	95.01	96.08		

Consultant Eng /

Lab.Eng /

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسخته للجهات المختصة والهيئة العامة للطرق والكباري وسلم الأصل للهيئة العامة للطرق والكباري	
Signature : / / Date : / /			
Engineer's Representative "SYSTRA" comments :			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised& Resubmit (C) ☐ Rejected (D)		Signature : Date : 19/11/2023	
Resident Engineer			
Structural Eng.		Signature	
Civil Eng.		Signature	
E/M Eng.		Signature	
Arch. Eng.		Signature	
Inspection Report :			
Entrans Consulting		Signature	
The work have found to be :			
☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised& Resubmit (C) ☐ Rejected (D)		Signature	
Inspection Report :			
Surveying systems		Signature	
Submitted by :			
Particular Details			
Others (specify)			
LAYER(-.75) BACKFILL			
Purpose of the inspection :			
☐ 1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment			
☐ 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other			
☐ 3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection			
☐ 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
☐ 4. Surveying ☒ Setting out ☐ Levels ☐ Verticality			
Inspection : ☒ First ☐ Second ☐ Third			
References			
Location :		INSPECTION ZONE	
From Station		155+220	
To Station		155+340	
Inspection time : Date :			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Request No		L-124	
Employer Consultant		Contractor	
Electric Express Train - HSR From october to Aswan		OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station:(157+500)	
GARB Consultant 		Entrans Consulting 	
Date		19/11/2023	



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

ENTRANS
CONSULTING



المملكة العربية السعودية
Kingdom of Saudi Arabia



قرارة التربة
التربة
مدرج سطح الطريق

Station	
From	To
155+220	155+340

ملاحظات طبقة 75 م

Station	TOP OF SUB GRADE (CENTER)				Left					Right			SUPER ELEV/L	SUPER ELEV/R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL		14.633	12	8	4	P.G.C.L	4	8	11.133			L	R	
155+220	268536.16	3180110.47	72.35	EXIST LEVEL	71.01	71.12	71.28	71.44	71.60	71.44	71.28	71.15	4%	4%	14.633	11.133	25.766
				DES READ	1-	15.0	1-	2-	1-	2-	15.5	2-					
				ACT READ	1-	15.0	1-	2-	1-	2-	15.5	2-					
				DEF	1-	15.0	1-	2-	1-	2-	15.5	2-					
155+240	269252.866	3180778.855	72.46	EXIST LEVEL	71.12	71.23	71.39	71.55	71.71	71.55	71.39	71.26	4%	4%	14.633	11.133	25.766
				DES READ	2-	1-	15.5	1-	2-	1-	15.5	2-					
				ACT READ	2-	1-	15.5	1-	2-	1-	15.5	2-					
				DEF	2-	1-	15.5	1-	2-	1-	15.5	2-					
155+260	269238.239	3180765.214	72.57	EXIST LEVEL	71.24	71.34	71.50	71.66	71.82	71.66	71.50	71.38	4%	4%	14.633	11.133	25.766
				DES READ	2	1-	2	1-	2	1-	14	1-					
				ACT READ	2	1-	2	1-	2	1-	14	1-					
				DEF	2	1-	2	1-	2	1-	14	1-					
155+280	269223.613	3180751.574	72.69	EXIST LEVEL	71.35	71.46	71.62	71.78	71.94	71.78	71.62	71.49	4%	4%	14.633	11.133	25.766
				DES READ	1	2	1-	2	15.5	1	2	15					
				ACT READ	1	2	1-	2	15.5	1	2	15					
				DEF	1	2	1-	2	15.5	1	2	15					
155+300	269208.986	3180737.933	72.80	EXIST LEVEL	71.46	71.57	71.73	71.89	72.05	71.89	71.73	71.60	4%	4%	14.633	11.133	25.766
				DES READ	2	1-	2	1-	2	1-	14	15					
				ACT READ	2	1-	2	1-	2	1-	14	15					
				DEF	2	1-	2	1-	2	1-	14	15					
155+320	269194.36	3180724.293	72.91	EXIST LEVEL	71.58	71.68	71.84	72.00	72.16	72.00	71.84	71.72	4%	4%	14.633	11.133	25.766
				DES READ	2	15.5	1-	2	1-	2	15	2					
				ACT READ	2	15.5	1-	2	1-	2	15	2					
				DEF	2	15.5	1-	2	1-	2	15	2					
155+340	268448.404	3180028.627	73.01	EXIST LEVEL	71.68	71.78	71.94	72.10	72.26	72.10	71.94	71.82	4%	4%	14.633	11.133	25.766
				DES READ	1	15.5	1-	2	1-	2	15	2					
				ACT READ	1	15.5	1-	2	1-	2	15	2					
				DEF	1	15.5	1-	2	1-	2	15	2					

المهندس الاستشاري

أحمد محمد

مهندس الشركة

ميول وعروض طبقات الردم - (34 م ردم)

Typical Fill 1

رقم الطبقة	انخفاض الطبقة عن مستوى السوية TOE	معدل الطبقة في الجانبين	العرض في الجانب اليمين	العرض في الجانب اليسار
1	0	4%	9.936	-13.436
2	0.25	4%	10.335	-13.835
3	0.5	4%	10.734	-14.234
4	0.75	4%	11.133	-14.633
5	1	4%	11.532	-15.032
6	1.25	3%	11.743	-15.188
7	1.5	2%	11.948	-15.340
8	1.75	1%	12.147	-15.487
9	2	0%	12.340	-15.630
10	2.25	0%	12.715	-16.005
11	2.5	0%	13.090	-16.380
12	2.75	0%	13.465	-16.755
13	3	0%	13.840	-17.130
14	3.25	0%	14.215	-17.505
15	3.5	0%	14.590	-17.880
16	3.75	0%	14.965	-18.255
17	4	0%	15.340	-18.630
18	4.25	0%	15.715	-19.005
19	4.5	0%	16.090	-19.380
20	4.75	0%	16.465	-19.755
21	5	0%	16.840	-20.130
22	5.25	0%	17.215	-20.505
23	5.5	0%	19.590	-20.880
24	5.75	0%	19.965	-23.255
25	6	0%	20.340	-23.630
26	6.25	0%	20.715	-24.005
27	6.5	0%	21.090	-24.380
28	6.75	0%	21.465	-24.755

ملحق المشروع

م. شعلان سعيد

المراقب بـ محمد خير علي

ملحق المكتب الذي

م. عمر مصطفى الهادي

٢٠١٩-١٢-١٩



مشروع القطار السريع / أكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

ST	155+040	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500
DL	72.226	72.34	72.453	72.566	72.68	72.793	72.906	73.019	73.133	73.246	73.359	73.473	73.586	73.699	73.811	73.914	74.004	74.081	74.147	74.2	74.243	74.283	74.323	74.363
kerma	71.326	71.44	71.553	71.666	71.78	71.893	72.006	72.119	72.233	72.346	72.459	72.573	72.686	72.799	72.911	73.014	73.104	73.181	73.247	73.3	73.343	73.383	73.423	73.463
NGL	67.982	66.772	66.75	67.843	68.104	68.124	68.089	68.542	68.764	69.004	68.863	68.787	68.993	69.193	69.438	70.113	69.732	67.935	67.92	69.893	69.719	69.43	69.859	70.234
0.25	71.076	71.19	71.303	71.416	71.53	71.643	71.756	71.869	71.983	72.096	72.209	72.323	72.436	72.549	72.661	72.764	72.854	72.931	72.997	73.05	73.093	73.133	73.173	73.213
0.50	70.826	70.94	71.053	71.166	71.28	71.393	71.506	71.619	71.733	71.846	71.959	72.073	72.186	72.299	72.411	72.514	72.604	72.681	72.747	72.8	72.843	72.883	72.923	72.963
0.75	70.576	70.69	70.803	70.916	71.03	71.143	71.256	71.369	71.483	71.596	71.709	71.823	71.936	72.049	72.161	72.264	72.354	72.431	72.497	72.55	72.593	72.633	72.673	72.713
1.00	70.326	70.44	70.553	70.666	70.78	70.893	71.006	71.119	71.233	71.346	71.459	71.573	71.686	71.799	71.911	72.014	72.104	72.181	72.247	72.3	72.343	72.383	72.423	72.463
1.25	70.076	70.19	70.303	70.416	70.53	70.643	70.756	70.869	70.983	71.096	71.209	71.323	71.436	71.549	71.661	71.764	71.854	71.931	71.997	72.05	72.093	72.133	72.173	72.213
1.50	69.826	69.94	70.053	70.166	70.28	70.393	70.506	70.619	70.733	70.846	70.959	71.073	71.186	71.299	71.411	71.514	71.604	71.681	71.747	71.8	71.843	71.883	71.923	71.963
1.75	69.576	69.69	69.803	69.916	70.03	70.143	70.256	70.369	70.483	70.596	70.709	70.823	70.936	71.049	71.161	71.264	71.354	71.431	71.497	71.55	71.593	71.633	71.673	71.713
2.00	69.326	69.44	69.553	69.666	69.78	69.893	70.006	70.119	70.233	70.346	70.459	70.573	70.686	70.799	70.911	71.014	71.104	71.181	71.247	71.3	71.343	71.383	71.423	71.463
2.50	68.826	68.94	69.053	69.166	69.28	69.393	69.506	69.619	69.733	69.846	69.959	70.073	70.186	70.299	70.411	70.514	70.604	70.681	70.747	70.8	70.843	70.883	70.923	70.963
3.00	68.326	68.44	68.553	68.666	68.78	68.893	69.006	69.119	69.233	69.346	69.459	69.573	69.686	69.799	69.911	70.014	70.104	70.181	70.247	70.3	70.343	70.383	70.423	70.463
3.50	67.94	68.053	68.166	68.28	68.393	68.506	68.619																	
4.00	67.44	67.553																						
4.50	66.94	67.053																						
5.00																								
5.50																								
DIFF	3.344	4.668	4.803	3.823	3.676	3.769	3.917	3.577	3.469	3.342	3.596	3.786	3.693	3.606	3.473	2.901	3.372	5.246	5.337	3.407	3.624	3.953	3.664	3.229
LAYER	3	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	3.5	2.5	3	2.5	3	5	5	3	3.5	3.5	3.5	3
THICK OF LAYER	0.344	0.168	0.303	0.323	0.176	0.269	0.417	0.077	0.469	0.342	0.096	0.266	0.193	1.106	0.473	0.401	0.372	0.246	0.327	0.407	0.124	0.453	0.064	0.229

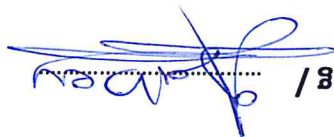
مهندس الاستشاري
15/10/2014
مهندس المقاول
15/10/2014
15/10/2014

Attach all relevant particular test forms Attach all relevant particular test forms Attach all relevant particular test forms		Approved and not release Contractor at his building under the Contract or constitute substitution of any change in Contract Documents.	
Signature : _____ Date : / /			
Engineer's Representative "SYSTRA" comments : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as noted (B) ☐ Notwork Resonant (C) ☐ Defected (D)			
Resident Engineer Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____			
Inspection Report : _____ The work have found to be : ☒ Approved (A) ☐ Approved as noted (B) ☐ Notwork Resonant (C) ☐ Defected (D)			
Surveyor Inspection Report : _____ Submitted by : _____ Signature : _____			
Others (specify) Particular Details LAYER(-1.00) BACKFILL			
Purpose of the inspection : 1. Earthwork 2. Open Channel 3. Open Channel 4. Surveying 5. Structure 6. Drainage 7. Roadwork 8. Bridge 9. Tunnel 10. Other			
Inspection : _____ References : _____ Location : _____ Inspection time : _____ Discipline : _____ We request your attendance to inspect the following works : _____			
Request for inspection Contractor Employer Consultant OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500) GARB Consultant Date : 15/11/2023 Request No : L-116			

Sand cone test

Date / 20/11/2023
 Company / المصرية
 Project / انشاء القطار الكهربائي السريع
 Layer No / -0.75
 Station / 155+220 : 155+340

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	10239	10361	10196	9962	9903	9691		
Weight of sand cone after test (g)	6205	6107	6032	6009	5918	5873		
Weight of the wet sample (g)	3921	4284	4102	3904	3851	3542		
Weight of sand filling the cone (g)	1396							
Moisture content %	6.3	6.6	6.5	6.8	6.2	6.4		
Maximum dry density (g/cm ³)	2.112							
Sand density (g/cm ³)	1.47							
Required relative compaction %	95%							
Relative compaction %	97.32	97.87	96.85	99.50	97.49	95.67		

Lab.Eng /  Consultant Eng / 

Request for Inspection We request your attendance to inspect the following works :					
Request No L-123	<table border="1" style="width: 100%;"> <tr> <td style="width: 30%; text-align: center;"> Employer Consultant  </td> <td style="width: 70%;"> Electric Express Train - HSR From October to Aswan </td> </tr> <tr> <td style="text-align: center;"> Contractor  </td> <td> OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500) </td> </tr> </table>	Employer Consultant 	Electric Express Train - HSR From October to Aswan	Contractor 	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)
Employer Consultant 	Electric Express Train - HSR From October to Aswan				
Contractor 	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)				
Date 19/11/2023	GARB Consultant 				

Discipline : ☒ Survey ☐ Structure ☐ Drainage	Inspection time :	Location :	References	Inspection : ☒ First ☐ Second ☐ Third
Purpose of the inspection :				
1. Earthworks ☐ Strippling ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3- Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing				
Particular Details Others (specify) : LAYER(-.75) BACKFILL Submitted by : Signature :				
Inspection Report : Surveying systems The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D) Signature :				
Inspection Report : EnTrans Consulting The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D) Signature :				
Resident Engineer The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D) Signature :				
Engineer's Representative " SYSTRA " comments : Signature : Date : 19/11/2023				
Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents. Date : / / Signature :				



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

ENTRANS
CONSULTING



المكتب الهندسي للمواصلات
والبنية التحتية
بمملكة البحرين



قراءة القيمة
الارتفاع
مستوى سطح الطريق

Station	
From	To
155+100	155+220

ملاحظات: طبقة 75-م

Station	TOP OF SUB GRADE (CENTER)				Left				P-G-C/L		Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL		14.633	12	8	4		70.92	4	8	11.133			L	R	
155+100	268623.923	3180192.31	71.67	EXIST LEVEL DES READ ACT READ DEF	70.33 15 2	70.44 2	70.60 15	70.76 15	70.92 2	70.76 15	70.60 15	70.47 2	4%	4%	14.633	11.133	25.766	
155+120	268609.297	3180178.67	71.78	EXIST LEVEL DES READ ACT READ DEF	70.44 2	70.55 15	70.71 2	70.87 15	71.03 2	70.87 15	70.71 15	70.58 4	4%	4%	14.633	11.133	25.766	
155+140	268594.67	3180165.03	71.89	EXIST LEVEL DES READ ACT READ DEF	70.56 2	70.66 15	70.82 15	70.98 2	71.14 15	70.98 2	70.82 15	70.70 2	4%	4%	14.633	11.133	25.766	
155+160	268580.044	3180151.39	72.01	EXIST LEVEL DES READ ACT READ DEF	70.67 2	70.78 15	70.94 15	71.10 2	71.26 15	71.10 2	70.94 15	70.81 15	4%	4%	14.633	11.133	25.766	
155+180	268565.417	3180137.75	72.12	EXIST LEVEL DES READ ACT READ DEF	70.78 2	70.89 2	71.05 15	71.21 15	71.37 3	71.21 2	71.05 15	70.92 15	4%	4%	14.633	11.133	25.766	
155+200	268550.79	3180124.11	72.23	EXIST LEVEL DES READ ACT READ DEF	70.90 2	71.00 15	71.16 2	71.32 15	71.48 2	71.32 15	71.16 15	71.04 2	4%	4%	14.633	11.133	25.766	
155+220	268536.16	3180110.47	72.35	EXIST LEVEL DES READ ACT READ DEF	71.01 15	71.12 2	71.28 15	71.44 2	71.60 2	71.44 15	71.28 2	71.15 15	4%	4%	14.633	11.133	25.766	

المهندس الاستشاري

مهندس الشركة

ميول وعروض طبقات الردم - (34 م ردم)

Typical Fill 1

المريض في الجانب الأيسر	المريض في الجانب الأيمن	ميول الطبقة في الجانبين	انخفاض الطبقة عن TOE - مسلوب التسوية	رقم الطبقة
-13.436	9.936	4%	0	1
-13.835	10.335	4%	0.25	2
-14.234	10.734	4%	0.5	3
-14.633	11.133	4%	0.75	4
-15.032	11.532	4%	1	5
-15.188	11.743	3%	1.25	6
-15.340	11.948	2%	1.5	7
-15.487	12.147	1%	1.75	8
-15.630	12.340	0%	2	9
-16.005	12.715	0%	2.25	10
-16.380	13.090	0%	2.5	11
-16.755	13.465	0%	2.75	12
-17.130	13.840	0%	3	13
-17.505	14.215	0%	3.25	14
-17.880	14.590	0%	3.5	15
-18.255	14.965	0%	3.75	16
-18.630	15.340	0%	4	17
-19.005	15.715	0%	4.25	18
-19.380	16.090	0%	4.5	19
-19.755	16.465	0%	4.75	20
-20.130	16.840	0%	5	21
-20.505	17.215	0%	5.25	22
-20.880	19.590	0%	5.5	23
-23.255	19.965	0%	5.75	24
-23.630	20.340	0%	6	25
-24.005	20.715	0%	6.25	26
-24.380	21.090	0%	6.5	27
-24.755	21.465	0%	6.75	28

مدير المشروع

م. شعبان سعيد

الموافق ١٠/١٠/٢٠١٩

مدير المكتب الفني

م. عمر مصطفى الهادي

١٠/١٠/٢٠١٩



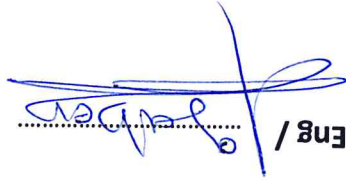
الموافق ١٥/١١/٢٠١٥

		Request for Inspection	
Request No	L-115	Date	15/11/2023
Electric Express Train - HSR From October to Aswan		Employer Consultant 	
OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)		Contractor 	
Request for Inspection		We request your attendance to inspect the following works :	
Discipline : ☐ Civil/Structure ☐ Drainage ☐ Survey			
Inspection Time :		Date :	
Location :		INSPECTION ZONE	
From Station 155+100		To Station 155+220	
Specification:		Other:	
Purpose of the Inspection :			
Others (specify)			
Particular Details			
Submitted by :			
Signature :			
Surveying systems			
Inspection Report :			
The work have found to be :			
Approved (A) ☐ Approved as noted (B) ☐ Rejected (C) ☐ Rejected (D) ☐			
Signature :			
Engineer's Representative "SYSTRA" comments :			
Date : 15/11/2023			
Signature :			
Attach all relevant particular test forms			
Approved that not release Contractor of his Submittal under this Contract or constitutes authorization of any change to Contract Documents.			

Sand cone test

Date / 20/11/2023
 Company / المصرية
 Project / انشاء القطار الكهربائي السريع
 Layer No / -0.75
 Station / 155+100 : 155+220

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	10230	10125	10035	9851	9748	9608		
Weight of sand cone after test (g)	6042	5972	5625	5580	5787	5460		
Weight of the wet sample (g)	4185	4149	4521	4176	3737	4050		
Weight of sand filling the cone (g)	1396							
Moisture content %	6.8	6.6	6.5	6.3	6.7	6.4		
Maximum dry density (g/cm ³)	2.112							
Sand density (g/cm ³)	1.47							
Required relative compaction %	95%							
Relative compaction %	97.69	98.26	98.03	95.11	95.04	96.27		

Consultant Eng / 

Lab. Eng / 

Request No		Request for Inspection		We request your attendance to inspect the following works :		Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey		Inspection time : Date :		Location : From Station To Station		References		Inspection : ☐ First ☒ Second ☐ Third		Purpose of the inspection :		Others (specify)		Particular Details		Submitted by : Signature :		Inspection Report : Surveyor		The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revises& Resubmit (C) ☐ Rejected (D)		Inspection Report : Entrans Consulting Signature		Structural Eng. Civil Eng. E/M Eng. Arch. Eng.		Resident Engineer		The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revises& Resubmit (C) ☐ Rejected (D)		Engineer's Representative " SYSTRA " comments :		Signature		Date 22/11/2023		Date : / /		Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		و نسلم الأصل للهيئة العامة للطرق والمركبة والهيئة العامة للطيران المدني ونسلم نسخة للجهاز الاستشاري والهيئة العامة للطرق والمركبة	
Request No		Request for Inspection		We request your attendance to inspect the following works :		Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey		Inspection time : Date :		Location : From Station To Station		References		Inspection : ☐ First ☒ Second ☐ Third		Purpose of the inspection :		Others (specify)		Particular Details		Submitted by : Signature :		Inspection Report : Surveyor		The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revises& Resubmit (C) ☐ Rejected (D)		Inspection Report : Entrans Consulting Signature		Structural Eng. Civil Eng. E/M Eng. Arch. Eng.		Resident Engineer		The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revises& Resubmit (C) ☐ Rejected (D)		Engineer's Representative " SYSTRA " comments :		Signature		Date 22/11/2023		Date : / /		Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		و نسلم الأصل للهيئة العامة للطرق والمركبة والهيئة العامة للطيران المدني ونسلم نسخة للجهاز الاستشاري والهيئة العامة للطرق والمركبة	

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		وسلمه للجهات المختصة والبرق والخطوط وسلمه للجهات المختصة والبرق والخطوط	
Signature : _____ Date : / / _____			
Engineer's Representative " SYSTRA " comments : _____			
Signature : _____ Date : 17/11/2023			
The work have found to be : ☐ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☒ Rejected (D)			
Resident Engineer Arch. Eng. _____ E\M Eng. _____ Civil Eng. _____ Structural Eng. _____			
Inspection Report : _____ Signature : _____			
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Surveyor Signature : _____			
Inspection Report : _____ Signature : _____			
Submitted by : _____ Signature : _____			
Particular Details Others (specify) _____ LAYER(-5) BACKFILL			
Purpose of the inspection : _____ 1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☒ Setting out ☐ Levels ☐ Verticality ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Inspection : _____ First _____ Second _____ Third _____			
References Location : _____ INSPECTION ZONE From Station 154+840 To Station 154+980 Specification: _____ Date : _____			
Discipline : _____ ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey			
We request your attendance to inspect the following works : _____			
Request for Inspection			
Contractor 			
Employer Consultant 			
Request No L-122 Date 19/11/2023			
GARB Consultant 			
OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)			
Electric Express Train - HSR From october to Aswan			



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

Drans
CONSULTING



المهندسة العامة للتصميم والبناء
Drans Engineering & Construction



قرية اللدة
اللدية
شماره سطح صفر

Station
From 154+840
To 154+980

مستوى طبقة 0-5 م

Station	TOP OF SUB GRADE (CENTER)			Left								Right				SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL	14.234	12	8	4	P.G.C.L	4	8	10.734	L	R							
154+840	268814.069	3180369.64	70.19	EXIST.LEVEL	69.12	69.21	69.37	69.53	69.69	69.53	69.37	69.26	0.04	0.04	14.234	10.734	24.968			
				DES.READ	1-	2-	1-	2-	1-	1.5	1-									
				ACT.READ																
				DEF																
				EXIST.LEVEL	69.24	69.33	69.49	69.65	69.81	69.65	69.49	69.38								
154+860	268799.442	3180356	70.31	DES.READ								0.04	0.04	14.234	10.734	24.968				
				ACT.READ																
				DEF																
				EXIST.LEVEL	69.35	69.44	69.60	69.76	69.92	69.76	69.60						69.49			
				DES.READ	2-	1-	1.5	2-	2-	1.4	3						1-			
154+880	268784.816	3180342.36	70.42	DEF								0.04	0.04	14.234	10.734	24.968				
				EXIST.LEVEL	69.46	69.55	69.71	69.87	70.03	69.87	69.71						69.60			
				DES.READ																
				ACT.READ																
				DEF																
154+900	268770.189	3180328.72	70.53	EXIST.LEVEL	69.58	69.67	69.83	69.99	70.15	69.99	69.83	69.72	0.04	0.04	14.234	10.734	24.968			
				DES.READ	1-	1.5	2	1-	2	1.5	1.5									
				ACT.READ																
				DEF																
				EXIST.LEVEL	69.69	69.78	69.94	70.10	70.26	70.10	69.94	69.83								
154+940	268740.936	3180301.44	70.76	DES.READ	2	1-	2	1-	3	1.5	1-	2	0.04	0.04	14.234	10.734	24.968			
				ACT.READ																
				DEF																
				EXIST.LEVEL	69.80	69.89	70.05	70.21	70.37	70.21	70.05	69.94								
				DES.READ																
154+960	268726.309	3180287.8	70.87	ACT.READ								0.04	0.04	14.234	10.734	24.968				
				DEF																
				EXIST.LEVEL	69.92	70.01	70.17	70.33	70.49	70.33	70.17						70.06			
				DES.READ	3	1.5	1-	2	1.5	1.5	1-									
				ACT.READ																
154+980	268711.683	3180274.16	70.99	DEF								0.04	0.04	14.234	10.734	24.968				
				EXIST.LEVEL	69.92	70.01	70.17	70.33	70.49	70.33	70.17						70.06			
				DES.READ	3	1.5	1-	2	1.5	1.5	1-									
				ACT.READ																
				DEF																

المهندس الاستشاري

مهندس الشركة

Signature

ميول وعروض طبقات الردم - (34 م ردم)

Typical Fill 1

في حالة طرق الخدمة في الجهة اليسرى وبدون فتاة جانبية

العرض في الجانب الأيسر	العرض في الجانب الأيمن	ميول الطبقة في الجانبين	الانخفاض الطبقة عن مسسوب التسوية TOE	رقم الطبقة
-13.436	9.936	4%	0	1
-13.835	10.335	4%	0.25	2
-14.234	10.734	4%	0.5	3
-14.633	11.133	4%	0.75	4
-15.032	11.532	4%	1	5
-15.188	11.743	3%	1.25	6
-15.340	11.948	2%	1.5	7
-15.487	12.147	1%	1.75	8
-15.630	12.340	0%	2	9
-16.005	12.715	0%	2.25	10
-16.380	13.090	0%	2.5	11
-16.755	13.465	0%	2.75	12
-17.130	13.840	0%	3	13
-17.505	14.215	0%	3.25	14
-17.880	14.590	0%	3.5	15
-18.255	14.965	0%	3.75	16
-18.630	15.340	0%	4	17
-19.005	15.715	0%	4.25	18
-19.380	16.090	0%	4.5	19
-19.755	16.465	0%	4.75	20
-20.130	16.840	0%	5	21
-20.505	17.215	0%	5.25	22
-20.880	19.590	0%	5.5	23
-23.255	19.965	0%	5.75	24
-23.630	20.340	0%	6	25
-24.005	20.715	0%	6.25	26
-24.380	21.090	0%	6.5	27
-24.755	21.465	0%	6.75	28

مدير المشروع

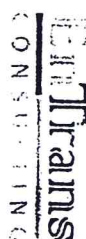
م. شعبان سعيد

المراجعة: محمد جمال عبد الحليم

مدير المكتب الفني

م. محمد مصطفى الهادي

١٤٤٢-١-٩



157+500 الى كم 154+000 بطول 3.5 كم من
الشركة المصرية لتجارة الحديد والاسمنت
مشروع القطار السريع (اكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من

SIT	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020
DL	69.281	69.394	69.507	69.621	69.734	69.847	69.961	70.074	70.187	70.3	70.414	70.527	70.64	70.754	70.867	70.98	71.094	71.207	71.32	71.433	71.547	71.66	71.773	71.887	72	72.113
terma	68.381	68.494	68.607	68.721	68.834	68.947	69.061	69.174	69.287	69.4	69.514	69.627	69.74	69.854	69.967	70.08	70.194	70.307	70.42	70.533	70.647	70.76	70.873	70.987	71.1	71.213
NGI	67.974	67.645	67.415	67.645	67.873	67.987	68.23	68.13	67.896	68.083	68.25	68.031	67.67	67.652	68.009	67.988	68.117	67.999	67.85	68.089	68.224	68.202	68.55	68.497	68.148	67.979
0.35	68.131	68.244	68.357	68.471	68.584	68.697	68.811	68.924	69.037	69.15	69.264	69.377	69.49	69.604	69.717	69.83	69.944	70.057	70.17	70.283	70.397	70.51	70.623	70.737	70.85	70.963
0.50		67.994	68.107	68.221	68.334	68.447	68.561	68.674	68.787	68.9	69.014	69.127	69.24	69.354	69.467	69.58	69.694	69.807	69.92	70.033	70.147	70.26	70.373	70.487	70.6	70.713
0.75		67.744	67.857	67.971	68.084	68.197	68.311	68.424	68.537	68.65	68.764	68.877	68.99	69.104	69.217	69.33	69.444	69.557	69.67	69.783	69.897	70.01	70.123	70.237	70.35	70.463
1.00			67.607	67.721				68.174	68.287	68.4	68.514	68.627	68.74	68.854	68.967	69.08	69.194	69.307	69.42	69.533	69.647	69.76	69.873	69.987	70.1	70.213
1.25									68.037	68.15	68.264	68.377	68.49	68.604	68.717	68.83	68.944	69.057	69.17	69.283	69.397	69.51	69.623	69.737	69.85	69.963
1.50																										
2.00																										
2.50																										
3.00																										
3.50																										
4.00																										
4.50																										
5.00																										
DIFF	0.407	0.849	1.192	1.076	0.961	0.96	0.831	1.044	1.391	1.317	1.264	1.396	2.07	2.202	1.358	2.092	2.077	2.308	2.57	2.444	2.423	2.558	2.323	2.49	2.952	3.234
LAVER	0.25	0.75	1	1	0.75	0.75	0.75	1	1.15	1.25	1.25	1.5	2	2	1.75	2	2	2	2.5	2	2	2.5	2	2	2.5	3
THICK OF LAVER	0.157	0.099	0.192	0.076	0.211	0.21	0.081	0.044	0.141	0.067	0.014	0.096	0.07	0.202	0.208	0.092	0.077	0.308	0.07	0.444	0.423	0.058	0.373	0.49	0.452	0.234

[illegible]

sand cone test

22/11/2023

المصرية

انشاء القطاع الكهربائي السريع القطاع الاول من اكتوبر الى اسوان

Layer No /

-0.5

Station /

154+840: 154+980

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	9937	9752	9510					
Weight of sand cone after test (g)	5918	5834	5637					
Weight of the wet sample(g)	3865	3731	3690					
Weight of sand filling the cone (g)	1396							
Mosture content %	7	7	7					
Maximum dry density(g/cm3)	2.112							
sand density (g/cm3)	1.47							
Required relative compaction %	95%							
Relative Compaction %	95.85	96.23	96.9					

Lab.Eng /

Consulant Eng /

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسخته للأعمال التجارية والهندسة المدنية وسلم الأعمال التجارية والهندسة المدنية	
Signature : _____			
Engineer's Representative "SYSTRA" comments : _____			
Date : 19/11/2023			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised/Resubmit (C) ☐ Rejected (D)			
Resident Engineer Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____			
Inspection Report : Entrens Consulting Signature : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised/Resubmit (C) ☐ Rejected (D)			
Surveyor Signature : _____			
Inspection Report : Surveying Systems Signature : _____			
Submitted by : _____ Signature : _____			
Particular Details Others (specify) : _____ LAYER(-5) BACKFILL			
Purpose of the inspection : 1. Earthworks ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☒ Setting out ☐ Levels ☐ Vertically ☐ Not 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Inspection : ☒ First ☐ Second ☐ Third			
References : _____			
Location : INSPECTION ZONE From Station 154+700 To Station 154+840 Date : _____			
Inspection time : _____			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey			
We request your attendance to inspect the following works :			
Request for Inspection			
Contractor 		From Station: (154+000) To Station: (157+500) SECTION ONE (OCTOBER - BANI MAZAR) SPEED RAIL OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)	
Employer Consultant 		From October to Aswan Electric Express Train - HSR	
Request No	L-121	Date	19/11/2023
GARB Consultant 		Entrens Consulting 	



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

Engineering
CONSULTING



مهندسين واستشارات
الهندسة والبناء



اسم المشروع	خط السكك الحديدية
من	إلى
154+700	154+840

Station	From	To
	154+700	154+840

مخطط المساحة

Station	TOP OF SUB GRADE (CENTER)			Left										Right				SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL									P.G.C.L								L	R	
154+700	268916.455	3180465.12	69.40	EXIST LEVEL	14.234	12	8	4														
				DES READ	68.33	68.42	68.58	68.74	68.90	68.74	68.58	68.47	0.04	0.04	14.234	10.734	24.968					
				ACT READ																		
				DEF	+2	-2	+3	+2	-2	+3	+2	-2										
				EXIST LEVEL	68.44	68.53	68.69	68.85	69.01	68.85	68.69	68.58										
154+720	268901.828	3180451.48	69.51	DES READ																		
				ACT READ																		
				DEF	+2	-2	+3	+2	-1	+2	-2	+3										
				EXIST LEVEL	68.56	68.65	68.81	68.97	69.13	68.97	68.81	68.70	0.04	0.04	14.234	10.734	24.968					
				DES READ																		
154+740	268887.202	3180437.84	69.63	ACT READ																		
				DEF	+3	+2	-1	+2	-1	+2	+3	+2										
				EXIST LEVEL	68.67	68.76	68.92	69.08	69.24	69.08	68.92	68.81	0.04	0.04	14.234	10.734	24.968					
				DES READ																		
				ACT READ																		
154+760	268872.575	3180424.2	69.74	DEF	+3	+2	-1	+2	-1	+3	+2	-1										
				EXIST LEVEL	68.78	68.87	69.03	69.19	69.35	69.19	69.03	68.92	0.04	0.04	14.234	10.734	24.968					
				DES READ																		
				ACT READ																		
				DEF	+2	-1	+2	-2	+3	+4	+3	-2										
154+780	268857.948	3180410.56	69.85	EXIST LEVEL	68.90	68.99	69.15	69.31	69.47	69.31	69.15	69.04	0.04	0.04	14.234	10.734	24.968					
				DES READ																		
				ACT READ																		
				DEF	+2	-1	+2	-2	+3	+4	+3	-2										
				EXIST LEVEL																		
154+800	268843.322	3180396.92	69.97	DES READ																		
				ACT READ																		
				DEF	+3	+2	-1	+2	-2	+3	+4	+2										
				EXIST LEVEL	69.01	69.10	69.26	69.42	69.58	69.42	69.26	69.15	0.04	0.04	14.234	10.734	24.968					
				DES READ																		
154+820	268828.695	3180383.28	70.08	ACT READ																		
				DEF	+2	-1	-2	-1	+1	-1	+2	-1										
				EXIST LEVEL	69.12	69.21	69.37	69.53	69.69	69.53	69.37	69.26	0.04	0.04	14.234	10.734	24.968					
				DES READ																		
				ACT READ																		
154+840	268814.069	3180369.64	70.19	DEF	-1	+2	-1	+2	-1	+2	-1	+2										
				EXIST LEVEL	69.12	69.21	69.37	69.53	69.69	69.53	69.37	69.26	0.04	0.04	14.234	10.734	24.968					
				DES READ																		
				ACT READ																		
				DEF																		

المهندس الاستشاري
Blue

مهندس المساحة

ميول وعروض طبقات الردم _ (34 م ردم)

Typical Fill 1

العرض في الجانبي الاسس	العرض في الجانبي الايمن	ميول الطبقة في الجانبيين	انخفاض الطبقة عن TOE _ مسسوب التسوية	رقم الطبقة
-13.436	9.936	4%	0	1
-13.835	10.335	4%	0.25	2
-14.234	10.734	4%	0.5	3
-14.633	11.133	4%	0.75	4
-15.032	11.532	4%	1	5
-15.188	11.743	3%	1.25	6
-15.340	11.948	2%	1.5	7
-15.487	12.147	1%	1.75	8
-15.630	12.340	0%	2	9
-16.005	12.715	0%	2.25	10
-16.380	13.090	0%	2.5	11
-16.755	13.465	0%	2.75	12
-17.130	13.840	0%	3	13
-17.505	14.215	0%	3.25	14
-17.880	14.590	0%	3.5	15
-18.255	14.965	0%	3.75	16
-18.630	15.340	0%	4	17
-19.005	15.715	0%	4.25	18
-19.380	16.090	0%	4.5	19
-19.755	16.465	0%	4.75	20
-20.130	16.840	0%	5	21
-20.505	17.215	0%	5.25	22
-20.880	19.590	0%	5.5	23
-23.255	19.965	0%	5.75	24
-23.630	20.340	0%	6	25
-24.005	20.715	0%	6.25	26
-24.380	21.090	0%	6.5	27
-24.755	21.465	0%	6.75	28

مدني المكتب الفني

م عمرو مصطفى الهادي

المراتب قبل ختمها

مدني المشروع

م شعبان سعيد

٢٠١٤-١-٩



المقاول

 Employer Consultant	Electric Express Train - HSR From October to Aswan	 	Request No L-110
 Contractor	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	 GARB Consultant	Date 31/10/2023

Request for Inspection

We request your attendance to inspect the following works :

Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey

Inspection time : _____ Date : _____

Location :	INSPECTION ZONE	From Station	To Station	
		154+700	154+840	

References : _____ Specification: _____

Inspection : ☒ First ☐ Second ☐ Third

Purpose of the inspection :

1. Earthworks

☐ Stripping

☐ Natural Sub Grade

☐ Upper Embankment

☐ Excavation

☐ Sub Grade

☐ Sub Ballast

☐ Ballast

☐ Embankment

2. Civil Work

☐ Open Channels

☐ Box Culvert

☐ Pipe Culvert

☐ Slope protection

☐ Gabion

☐ Side Ditches

☐ Other

3-Drainage

☐ Formation

☐ Sides of Excavation

☐ Backfilling Layers

☐ Slope protection

5. Structure

☐ Formwork

☐ Reinforcement

☐ Concreteing

☐ Earthing

4. Surveying

☒ Setting out

☒ Levels

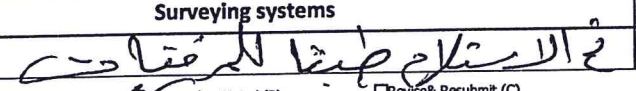
☐ Verticality

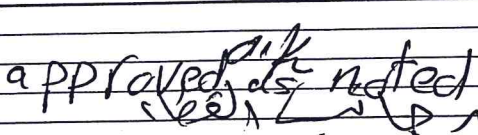
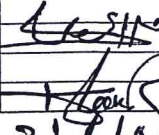
☐ NGL

Others (specify) _____

Particular Details _____

Submitted by : _____ Signature : _____

Inspection Report :	Surveying systems	Signature
Surveyor		
The work have fount to be :	☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)	

Inspection Report :	EnTrans Consulting	Signature
Structural Eng.		
Civil Eng.		
E\M Eng.		
Arch. Eng.		
Resident Engineer		

31/10/2023

The work have fount to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)

Signature : _____ Date: **31/10/2023**

Engineer's Representative " SYSTRA " comments : _____

Signature : _____ Date : / /

Attach all relevant particular test forms

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

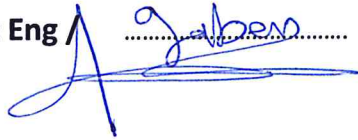
يسلم الأصل للهيئة العامة للطرق والكباري
ونسخه للجهات الإستشارية والشركة المنفذة

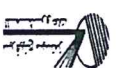
Sand cone test

Date / 20/11/2023
Company / المصرية
Project / انشاء القطار الكهربائي السريع القطاع الاول من اكتوبر الي اسوان
Layer No / -0.50
Station / 154+700 : 154+840

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	9876	10250	9775	9912	9516	9207		
Weight of sand cone after test (g)	5506	6239	5877	5936	5601	5122		
Weight of the wet sample (g)	4324	3958	3637	3761	3810	3956		
Weight of sand filling the cone (g)	1396							
Mositure content %	6.3	6.7	6.4	6.2	6.6	6.5		
Maximum dry density (g/cm3)	2.112							
Sand density (g/cm3)	1.47							
Required relative compaction %	95%							
Relative compaction %	95.20	98.73	95.09	95.54	98.76	96.15		

Lab.Eng / 

Consultant Eng / 

Attach all relevant Particular Test Forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.				وسلم الأصل للهيئة العامة للطرق والكباري والهيئة ونسخه للجهات الاستشارية والمقاولين	
Signature : _____					
Date : / / _____					
Engineer's Representative " SYSTRA " comments : _____					
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)					
Resident Engineer Arch. Eng. _____ E/M Eng. _____ Civil Eng. _____ Structural Eng. _____					
Inspection Report : Signature : _____					
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)					
Surveyor Signature : _____					
Inspection Report : Signature : _____					
Submitted by : _____ Signature : _____					
Particular Details Others (specify) _____ LAYER(-.75) BACKFILL					
Purpose of the inspection : 1. Earthworks ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert 3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 4. Surveying ☒ Setting out ☒ Levels ☐ Verticality ☐ NGL 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing					
Inspection : ☒ First ☐ Second ☐ Third					
References Location : _____ INSPECTION ZONE From Station : 155+660 To Station : 155+760 Specification : _____ Inspection time : _____ Date : _____					
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey					
We request your attendance to inspect the following works : _____					
Request for Inspection					
Request No L-120		From october to Aswan Electric Express Train - HSR		Employer Consultant 	
Date 21/11/2023		OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)		Contractor 	
GARB Consultant		Trans CONSULTING		GARB Consultant	



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

Station	From	To
155+660	155+660	155+760



Station	TOP OF SUB GRADE (CENTER)				Left				P.G.C.L		Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL		14.633	12	8	4	4	8	11.133	L	R					
155+660	268214.379	3179810.38	73.78	EXIST.LEVEL DES.READ ACT.READ	72.51 72.60 72.75	72.60 72.75 72.89	72.89 73.03 72.89	72.89 72.75 72.63	3.60%	3.60%	14.633	11.133	25.766					
155+680	268199.753	3179796.74	73.82	DEF	+2	-2	+3	+2	-1	+2	-1	+2	2.80%	2.80%	14.633	11.133	25.766	
				EXIST.LEVEL	72.66	72.74	72.85	72.96	73.07	72.96	72.85	72.76						
				DES.READ														
				ACT.READ														
155+700	268185.126	3179783.1	73.86	DEF	+3	+2	-1	+2	-1	+2	+3	+2	2.00%	2.00%	14.633	11.133	25.766	
				EXIST.LEVEL	72.82	72.87	72.95	73.03	73.11	73.03	72.95	72.89						
				DES.READ														
				ACT.READ														
155+720	268170.5	3179769.46	73.90	DEF	-1	+2	-1	+2	-1	+2	-1	+2	1.20%	1.20%	14.633	11.133	25.766	
				EXIST.LEVEL	72.98	73.01	73.06	73.11	73.15	73.11	73.06	73.02						
				DES.READ														
				ACT.READ														
155+740	268155.873	3179755.82	73.94	DEF	+3	+2	-1	+3	-1	+3	-1	+2	0.40%	0.40%	14.633	11.133	25.766	
				EXIST.LEVEL	73.13	73.15	73.16	73.18	73.19	73.18	73.16	73.15						
				DES.READ														
				ACT.READ														
155+760	268141.246	3179742.18	73.98	DEF	+3	+2	-1	+2	-1	+2	-2	+3	0%	0%	14.633	11.133	25.766	
				EXIST.LEVEL	73.23	73.23	73.23	73.23	73.23	73.23	73.23	73.23						
				DES.READ														
				ACT.READ														

المهندس الاستشاري



مهندس الطرق

ميول وعروض طبقات الردم - (34 م ردم)

Typical Fill 1

في حالة طريق الخدمة في الجهة اليسرى وبدون قفلة جانبية

المعرض في الجانب الأيسر	المعرض في الجانب الأيمن	ميل الطابق في الجانبين	الانخفاض الطبقة من TOE - منسوب التسوية	رقم الطبقة
-13.436	9.936	4%	0	1
-13.835	10.335	4%	0.25	2
-14.234	10.734	4%	0.5	3
-14.633	11.133	4%	0.75	4
-15.032	11.532	4%	1	5
-15.188	11.743	3%	1.25	6
-15.340	11.948	2%	1.5	7
-15.487	12.147	1%	1.75	8
-15.630	12.340	0%	2	9
-16.005	12.715	0%	2.25	10
-16.380	13.090	0%	2.5	11
-16.755	13.465	0%	2.75	12
-17.130	13.840	0%	3	13
-17.505	14.215	0%	3.25	14
-17.880	14.590	0%	3.5	15
-18.255	14.965	0%	3.75	16
-18.630	15.340	0%	4	17
-19.005	15.715	0%	4.25	18
-19.380	16.090	0%	4.5	19
-19.755	16.465	0%	4.75	20
-20.130	16.840	0%	5	21
-20.505	17.215	0%	5.25	22
-20.880	19.590	0%	5.5	23
-23.255	19.965	0%	5.75	24
-23.630	20.340	0%	6	25
-24.005	20.715	0%	6.25	26
-24.380	21.090	0%	6.5	27
-24.755	21.465	0%	6.75	28

مدير المشروع

م. شادي سعيد

المراجعة بـ سهل عزنا نـ كـ

م. علي العكبي النقي

م. عمرو مصطفى الهادي

١٤٤٢-١-٩

القطار الكهربائي السريع (قطاع المحطة)

station	slope right	slope left
155+640	-4%	-4%
155+660	-3.60%	-3.60%
155+680	-2.80%	-2.80%
155+700	-2.00%	-2.00%
155+720	-1.20%	-1.20%
155+740	-0.40%	-0.40%
155+760	0	0
155+780	0	0



Jirama

الهيئة العامة للطيران المدني



مشروع القطار السريع (اكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500
الشركة المصرية لتجارة الحديد والاسمنت

SIT	155+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820	155+840	155+860	155+880	155+900	155+920	155+940	155+960	155+980	156+000
station	155+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820	155+840	155+860	155+880	155+900	155+920	155+940	155+960	155+980	156+000

THICK OF LAYER	0.057	0.145	0.128	0.191	0.351	0.282	0.702	0.268	0.268	0.499	0.413	0.355	0.107	0.203	0.116	0.052	0.273	0.704	0.914	1.004	0.774	0.574	0.044	0.274	0.484
LAVER	3	3	3.5	3.5	3.5	3.5	3	3	3	2.5	2.5	3	3	2	2	0.75	1	0.25	0	0	0.25	0.5	1	0.75	0.5
DIFF	3.057	3.145	3.628	3.691	3.851	3.782	3.702	3.268	3.268	2.999	2.913	3.355	3.107	2.283	2.116	0.802	1.273	0.954	0.914	1.004	1.024	1.074	1.044	1.024	0.984
D.L	74.403	74.443	74.483	74.523	74.563	74.603	74.643	74.683	74.723	74.763	74.803	74.843	74.883	74.923	74.964	75.004	75.044	75.084	75.124	75.164	75.204	75.244	75.284	75.324	75.364
ferma	73.503	73.543	73.583	73.623	73.663	73.703	73.743	73.783	73.823	73.863	73.903	73.943	73.983	74.023	74.064	74.104	74.144	74.184	74.224	74.264	74.304	74.344	74.384	74.424	74.464
NGL	70.446	70.398	69.955	69.932	69.812	69.921	70.041	70.515	70.555	70.864	70.99	70.588	70.876	71.74	71.948	73.302	72.871	73.23	73.31	73.26	73.28	73.27	73.24	73.21	73.18
0.25	73.253	73.293	73.333	73.373	73.413	73.453	73.493	73.533	73.573	73.613	73.653	73.693	73.733	73.773	73.814	73.854	73.894	73.934	73.974	74.014	74.054	74.094	74.134	74.174	74.214
0.50	73.003	73.043	73.083	73.123	73.163	73.203	73.243	73.283	73.323	73.363	73.403	73.443	73.483	73.523	73.564	73.604	73.644	73.684	73.724	73.764	73.804	73.844	73.884	73.924	73.964
0.75	72.753	72.793	72.833	72.873	72.913	72.953	72.993	73.033	73.073	73.113	73.153	73.193	73.233	73.273	73.314	73.354	73.394	73.434	73.474	73.514	73.554	73.594	73.634	73.674	73.714
1.00	72.503	72.543	72.583	72.623	72.663	72.703	72.743	72.783	72.823	72.863	72.903	72.943	72.983	73.023	73.064		73.144			73.264	73.304	73.344	73.384	73.424	
1.25	72.253	72.293	72.333	72.373	72.413	72.453	72.493	72.533	72.573	72.613	72.653	72.693	72.733	72.773	72.814		72.894								
1.50	72.003	72.043	72.083	72.123	72.163	72.203	72.243	72.283	72.323	72.363	72.403	72.443	72.483	72.523	72.564										
1.75	71.753	71.793	71.833	71.873	71.913	71.953	71.993	72.033	72.073	72.113	72.153	72.193	72.233	72.273	72.314										
2.00	71.503	71.543	71.583	71.623	71.663	71.703	71.743	71.783	71.823	71.863	71.903	71.943	71.983	72.023	72.064										
2.50	71.003	71.043	71.083	71.123	71.163	71.203	71.243	71.283	71.323	71.363	71.403	71.443	71.483												
3.00	70.503	70.543	70.583	70.623	70.663	70.703	70.743	70.783	70.823			70.943	70.983												
3.50			70.083	70.123	70.163	70.203	70.243																		
4.00																									
4.50																									
5.00																									
5.50																									

5- Approved

Penalms 12

sand cone test

22/11/2023

المصرية

انشاء المطار الكهربائي السريع القطاع الاول من اكتوبر الى اسوان

-0.75

155+660: 155+760

Station /

Layer No /

project /

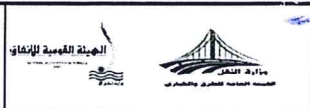
company /

Date /

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	10035	10276	10195	10051				
Weight of sand cone after test (g)	5794	6024	6070	6042				
Weight of the wet sample(g)	4185	4351	4046	3951				
Weight of sand filling the cone (g)	1396							
Mositure content %	7	8	8	8				
Maximum dry density(g / cm3)	2.112							
sand density (g/cm3)	1.47							
Required relative compaction %	95%							
Relative Compaction %	95.69	98.18	95.55	97.45				

Lab.Eng /

Consulant Eng /

 Employer Consultant	Electric Express Train - HSR From october to Aswan		Request No L-118				
 Contractor	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station:(157+500)	 GARB Consultant	Date 15/11/2023				
Request for Inspection							
We request your attendance to inspect the following works :							
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey							
Inspection time :		Date :					
Location :	INSPECTION ZONE	From Station 155+340	To Station 155+520				
References		Specification:					
Inspection : ☒ First ☐ Second ☐ Third							
Purpose of the inspection : <table border="0"> <tr> <td data-bbox="225 875 411 1171"> 1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment </td> <td data-bbox="459 875 671 1171"> 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other </td> <td data-bbox="719 875 991 1171"> 3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Earthing </td> <td data-bbox="1007 875 1270 1171"> 4. Surveying ☒ Setting out ☒ Levels ☐ Verticality ☐ NGC </td> </tr> </table>				1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other	3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Earthing	4. Surveying ☒ Setting out ☒ Levels ☐ Verticality ☐ NGC
1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other	3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Earthing	4. Surveying ☒ Setting out ☒ Levels ☐ Verticality ☐ NGC				
Others (specify)							
Particular Details							
Submitted by : _____ Signature : _____							
Inspection Report :		Surveying systems					
Surveyor	Signature		Signature				
The work have fount to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)							
Inspection Report :		EnTrans Consulting					
Structural Eng.	Signature		Signature				
Civil Eng.	Signature		Signature				
E\M Eng.	Signature		Signature				
Arch. Eng.	Signature		Signature				
Resident Engineer							
The work have fount to be : ☐ Approved (A) ☐ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)							
Signature		Date : / /					
Engineer's Representative " SYSTRA " comments :							
Signature :							
Date : / /							
Attach all relevant particular test forms							
Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.							

الشركة المصرية للمقاولات والتجارة
قطاع التطوير السريع
من 154 وحتي 157+500

Approved as noted
16/11/2023

يسلم الأصل للهيئة العامة للطرق والكباري
ونسخه للجهات الاستشارية والشركة المنفذه



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)



	قراءات القنطرة
	القنطرة
	مستوى سطح القنطرة

Station	
From	TO
155+340	155+520

مستوى طبقة 2.00- م

Station	TOP OF SUB GRADE (CENTER)			Left					Right				SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL	15.63	12	8	4	P.G.C.L	4	8	12	12.34			L	R	
155+340	268448.40	3180028.63	73.014	EXIST.LEVEL	71.014	71.014	71.014	71.014	71.014	71.014	71.014	71.014	0%	0%	15.63	12.34	27.97
				DES.READ													
				ACT.READ													
155+360	268433.78	3180014.99	73.104	DEF	+2	-2	+2	-2	+2	+2	-2	+2	0%	0%	15.63	12.34	27.97
				EXIST.LEVEL	71.104	71.104	71.104	71.104	71.104	71.104	71.104	71.104					
				DES.READ													
155+380	268419.15	3180001.35	73.181	DEF	+2	-2	+2	+4	+2	+3	+2	-2	0%	0%	15.63	12.34	27.97
				EXIST.LEVEL	71.181	71.181	71.181	71.181	71.181	71.181	71.181	71.181					
				DES.READ													
155+400	268404.53	3179987.71	73.247	DEF	+2	-2	+2	+4	+2	+2	+3	+4	0%	0%	15.63	12.34	27.97
				EXIST.LEVEL	71.247	71.247	71.247	71.247	71.247	71.247	71.247	71.247					
				DES.READ													
155+420	268389.90	3179974.07	73.300	DEF	+2	-2	+2	+2	-2	+2	-1	+2	0%	0%	15.63	12.34	27.97
				EXIST.LEVEL	71.300	71.300	71.300	71.300	71.300	71.300	71.300	71.300					
				DES.READ													
155+440	268375.27	3179960.42	73.343	DEF	+2	+2	-2	+2	+4	+2	-2	+3	0%	0%	15.63	12.34	27.97
				EXIST.LEVEL	71.343	71.343	71.343	71.343	71.343	71.343	71.343	71.343					
				DES.READ													
155+460	268360.65	3179946.78	73.383	DEF	+2	-2	-1	+2	-2	+2	+4	+2	0%	0%	15.63	12.34	27.97
				EXIST.LEVEL	71.383	71.383	71.383	71.383	71.383	71.383	71.383	71.383					
				DES.READ													
155+480	268346.02	3179933.14	73.423	DEF	+2	+2	+2	-2	+2	+2	-2	+2	0%	0%	15.63	12.34	27.97
				EXIST.LEVEL	71.423	71.423	71.423	71.423	71.423	71.423	71.423	71.423					
				DES.READ													
155+500	268331.39	3179919.50	73.463	DEF	+2	-2	+2	+4	+2	+2	+4	+2	0%	0%	15.63	12.34	27.97
				EXIST.LEVEL	71.463	71.463	71.463	71.463	71.463	71.463	71.463	71.463					
				DES.READ													
155+520	268316.77	3179905.86	73.503	DEF	-2	+2	+2	-2	+2	+2	-1	+2	0%	0%	15.63	12.34	27.97
				EXIST.LEVEL	71.503	71.503	71.503	71.503	71.503	71.503	71.503	71.503					
				DES.READ													

المهندس الاستشاري

عبدالله

مهندس الفريق

ميول وعروض طبقات الردم _ (34 م ردم)
Typical Fill 1

رقم الطبقة	الخفاض الطبقة عن مسسوب التسوية _ TOE	ميول الطبقة في الجانبين	العرض في الجانب الايمن	العرض في الجانب الايسر	في حالة طريق الخدمة في الجهة اليسرى ويكون قناة جانبية
1	0	4%	9.936	-13.436	
2	0.25	4%	10.335	-13.835	
3	0.5	4%	10.734	-14.234	
4	0.75	4%	11.133	-14.633	
5	1	4%	11.532	-15.032	
6	1.25	3%	11.743	-15.188	
7	1.5	2%	11.948	-15.340	
8	1.75	1%	12.147	-15.487	
9	2	0%	12.340	-15.630	
10	2.25	0%	12.715	-16.005	
11	2.5	0%	13.090	-16.380	
12	2.75	0%	13.465	-16.755	
13	3	0%	13.840	-17.130	
14	3.25	0%	14.215	-17.505	
15	3.5	0%	14.590	-17.880	
16	3.75	0%	14.965	-18.255	
17	4	0%	15.340	-18.630	
18	4.25	0%	15.715	-19.005	
19	4.5	0%	16.090	-19.380	
20	4.75	0%	16.465	-19.755	
21	5	0%	16.840	-20.130	
22	5.25	0%	17.215	-20.505	
23	5.5	0%	19.590	-20.880	
24	5.75	0%	19.965	-23.255	
25	6	0%	20.340	-23.630	
26	6.25	0%	20.715	-24.005	
27	6.5	0%	21.090	-24.380	
28	6.75	0%	21.465	-24.755	

م. علي المكيث الذي

م. عمر مصطفى المهدي

المرحوم بيهل خوسا نيلين

مدير المشروع

شعبان سعيد

م. علي المكيث الذي

م. عمر مصطفى المهدي

مشروع القطار السريع (اكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

ST																									
	155+040	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500	
station																									
D.I	72.226	72.34	72.453	72.566	72.68	72.793	72.906	73.019	73.133	73.246	73.359	73.473	73.586	73.699	73.811	73.914	74.004	74.081	74.147	74.2	74.243	74.283	74.323	74.363	
kerma	71.326	71.44	71.553	71.666	71.78	71.893	72.006	72.119	72.233	72.346	72.459	72.573	72.686	72.799	72.911	73.014	73.104	73.181	73.247	73.3	73.343	73.383	73.423	73.463	
NGL	67.982	66.772	66.75	67.843	68.104	68.124	68.089	68.542	68.764	69.004	68.863	68.787	68.993	69.193	69.438	70.113	69.732	67.935	67.92	69.893	69.719	69.43	69.859	70.234	
0.25	71.076	71.19	71.303	71.416	71.53	71.643	71.756	71.869	71.983	72.096	72.209	72.323	72.436	72.549	72.661	72.764	72.854	72.931	72.997	73.05	73.093	73.133	73.173	73.213	
0.50	70.826	70.94	71.053	71.166	71.28	71.393	71.506	71.619	71.733	71.846	71.959	72.073	72.186	72.299	72.411	72.514	72.604	72.681	72.747	72.8	72.843	72.883	72.923	72.963	
0.75	70.576	70.69	70.803	70.916	71.03	71.143	71.256	71.369	71.483	71.596	71.709	71.823	71.936	72.049	72.161	72.264	72.354	72.431	72.497	72.55	72.593	72.633	72.673	72.713	
1.00	70.326	70.44	70.553	70.666	70.78	70.893	71.006	71.119	71.233	71.346	71.459	71.573	71.686	71.799	71.911	72.014	72.104	72.181	72.247	72.3	72.343	72.383	72.423	72.463	
1.25	70.076	70.19	70.303	70.416	70.53	70.643	70.756	70.869	70.983	71.096	71.209	71.323	71.436	71.549	71.661	71.764	71.854	71.931	71.997	72.05	72.093	72.133	72.173	72.213	
1.50	69.826	69.94	70.053	70.166	70.28	70.393	70.506	70.619	70.733	70.846	70.959	71.073	71.186	71.299	71.411	71.514	71.604	71.681	71.747	71.8	71.843	71.883	71.923	71.963	
1.75	69.576	69.69	69.803	69.916	70.03	70.143	70.256	70.369	70.483	70.596	70.709	70.823	70.936	71.049	71.161	71.264	71.354	71.431	71.497	71.55	71.593	71.633	71.673	71.713	
2.00	69.326	69.44	69.553	69.666	69.78	69.893	70.006	70.119	70.233	70.346	70.459	70.573	70.686	70.799	70.911	71.014	71.104	71.181	71.247	71.3	71.343	71.383	71.423	71.463	
2.50	68.826	68.94	69.053	69.166	69.28	69.393	69.506	69.619	69.733	69.846	69.959	70.073	70.186	70.299	70.411	70.514	70.604	70.681	70.747	70.8	70.843	70.883	70.923	70.963	
3.00	68.326	68.44	68.553	68.666	68.78	68.893	69.006	69.119	69.233	69.346	69.459	69.573	69.686	69.799	69.911	70.104	70.104	70.181	70.247	70.3	70.343	70.383	70.423	70.463	
3.50	67.94	67.94	68.053	68.166	68.28	68.393	68.506	68.619			68.959	69.073	69.186	69.299				69.681	69.747		69.843	69.883	69.923		
4.00	67.44	67.44	67.553															69.181	69.247						
4.50	66.94	66.94	67.053															68.681	68.747						
5.00																		68.181	68.247						
5.50																									
DIFF	3.344	4.668	4.803	3.823	3.676	3.769	3.917	3.577	3.469	3.342	3.596	3.786	3.693	3.606	3.473	2.901	3.372	5.246	5.327	3.407	3.624	3.953	3.564	3.229	
LAYER	3	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	3.5	2.5	3	2.5	3	5	5	3	3.5	3.5	3.5	3	
THICK OF LAYER	0.344	0.168	0.303	0.323	0.176	0.269	0.417	0.077	0.469	0.342	0.096	0.286	0.193	1.106	0.473	0.401	0.372	0.246	0.327	0.407	0.124	0.453	0.064	0.229	



Trains

الهيئة القومية للقطار



مشروع القطار السريع (اكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

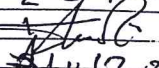
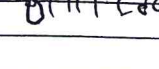
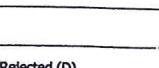
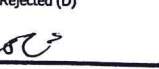
SIT	Fill																			
	station	155+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820	155+840	155+860	155+880
D.L	74.403	74.443	74.483	74.523	74.563	74.603	74.643	74.683	74.723	74.763	74.803	74.843	74.883	74.923	74.964	75.004	75.044	75.084	75.124	75.164
		74.903	74.943	74.983	75.023	75.063	75.103	75.143	75.183	75.223	75.263	75.303	75.343	75.383	75.423	75.464	75.504	75.544	75.584	75.624
forma		73.503	73.543	73.583	73.623	73.663	73.703	73.743	73.783	73.823	73.863	73.903	73.943	73.983	74.023	74.064	74.104	74.144	74.184	74.224
NGL		70.446	70.398	69.955	69.932	69.812	69.921	70.041	70.515	70.555	70.864	70.99	70.588	70.876	71.74	71.948	73.854	73.894	73.934	73.974
0.25		73.253	73.293	73.333	73.373	73.413	73.453	73.493	73.533	73.573	73.613	73.653	73.693	73.733	73.773	73.814	73.854	73.894	73.934	73.974
0.50		73.003	73.043	73.083	73.123	73.163	73.203	73.243	73.283	73.323	73.363	73.403	73.443	73.483	73.523	73.564	73.604	73.644	73.684	73.724
0.75		72.753	72.793	72.833	72.873	72.913	72.953	72.993	73.033	73.073	73.113	73.153	73.193	73.233	73.273	73.314	73.354	73.394	73.434	73.474
1.00		72.503	72.543	72.583	72.623	72.663	72.703	72.743	72.783	72.823	72.863	72.903	72.943	72.983	73.023	73.064		73.144		
1.25		72.253	72.293	72.333	72.373	72.413	72.453	72.493	72.533	72.573	72.613	72.653	72.693	72.733	72.773	72.814		72.894		
1.50		72.003	72.043	72.083	72.123	72.163	72.203	72.243	72.283	72.323	72.363	72.403	72.443	72.483	72.523	72.564				
1.75		71.753	71.793	71.833	71.873	71.913	71.953	71.993	72.033	72.073	72.113	72.153	72.193	72.233	72.273	72.314				
2.00		71.503	71.543	71.583	71.623	71.663	71.703	71.743	71.783	71.823	71.863	71.903	71.943	71.983	72.023	72.064				
2.50		71.003	71.043	71.083	71.123	71.163	71.203	71.243	71.283	71.323	71.363	71.403	71.443	71.483						
3.00		70.503	70.543	70.583	70.623	70.663	70.703	70.743	70.783	70.823			70.943	70.983						
3.50			70.083		70.123	70.163	70.203	70.243												
4.00																				
4.50																				
5.00																				
5.50																				
DIFF		3.057	3.145	3.628	3.691	3.851	3.782	3.702	3.268	3.268	2.999	2.913	3.355	3.107	2.283	2.116	0.802	1.273	0.954	0.914
LAYER		3	3	3.5	3.5	3.5	3.5	3	3	3	2.5	2.5	3	3	2	2	0.75	1	0.25	0
THICK OF LAYER		0.057	0.145	0.128	0.191	0.351	0.282	0.702	0.268	0.268	0.499	0.413	0.355	0.107	0.283	0.116	0.052	0.273	0.704	0.914
مقياس الاستشاري																				
مقياس المقاول																				

مهندس الاستشاري

مهندس المقاول

Approved

Signature

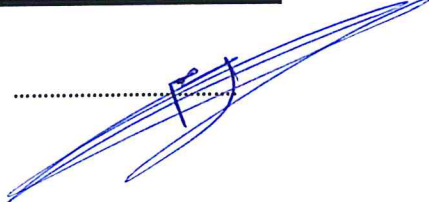
 Employer Consultant	Electric Express Train - HSR From october to Aswan	 الهئية العامة للنقل	Request No L-112
 Contractor	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station:(157+500)	 EnTrans CONSULTING	Date 6/11/2023
Request for Inspection			
We request your attendance to inspect the following works :			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey			
Inspection time :		Date :	
Location :	INSPECTION ZONE	From Station	To Station
		155+340	155+520
References		Specification:	
Inspection : ☒ First ☐ Second ☐ Third			
Purpose of the inspection :			
1. earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other	3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Earthing	4. Surveying ☒ Setting out ☒ Levels ☐ Verticality ☐ NGL
الشركة المصرية للمقاولات والتجارة قطاع التطوير السريع من ١٥٤ وحتى ١٥٧/٥			
Others (specify) _____			
Particular Details LAYER(-2.50) BACKFILL			
Submitted by :		Signature :	
Inspection Report : Surveying systems		Signature	
Surveyor			
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)			
Inspection Report : EnTrans Consulting		Signature	
Structural Eng.			
Civil Eng.			
E\M Eng.			
Arch. Eng.			
Resident Engineer			
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)			
Signature		Date 6/11/2023	
Engineer's Representative " SYSTRA " comments :			
Signature :			
Date : / /			
Attach all relevant particular test forms		يسلم الأصل للهيئة العامة للطرق والكباري ونسخه للجهات الاستشارية والشركة المنفذه	
Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.			

Sand cone test

Date / 16/11/2023
Company / المصرية
Project / انشاء القطر الكهربي السريع القطاع الاول من اكتوبر الي اسوان
Layer No / -2.00
Station / 155+340 : 155+520

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	9876	10250	9775	9805	9913	10098	10198	10347
Weight of sand cone after test (g)	5506	6239	5877	5736	5970	6050	6024	6146
Weight of the wet sample (g)	4324	3958	3637	4021	3752	3882	4097	4207
Weight of sand filling the cone (g)	1396							
Mositure content %	6.2	6.7	6.3	6.6	6.5	6.1	6.7	6.4
Maximum dry density (g/cm3)	2.112							
Sand density (g/cm3)	1.47							
Required relative compaction %	95%							
Relative compaction %	95.29	98.73	95.18	98.22	96.27	96.03	96.20	98.11

Lab.Eng / 

Consultant Eng / 

Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسجده الأصل للجهات المختصة بالإنشاء والتمويل والبناء	
Signature : _____ Date : / / _____			
Engineer's Representative " SYSTRA " comments : _____			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Resident Engineer Signature _____ Date 12/12/2023			
Structural Eng. ☒ OK Civil Eng. ☒ Approved as noted E/M Eng. ☒ Approved as noted Arch. Eng. ☒ Approved as noted		Signature _____	
Inspection Report : Entrens Consulting			
The work have found to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)			
Surveyor Signature _____		Signature _____	
Inspection Report : Surveying systems			
Submitted by : _____ Signature : _____			
Particular Details : LAYER(Ferra) BACKFILL			
Others (specify) : _____			
Purpose of the inspection :			
1. Earthworks ☒ Sub Grade ☒ Sub Ballast ☒ Ballast ☒ Embankment			
2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other			
3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection ☐ Structure			
4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL			
Inspection : ☒ First ☐ Second ☐ Third			
References : _____			
Location : _____		INSPECTION ZONE	
From Station 154+840 To Station 154+980		Specification : _____	
Inspection time : _____ Date : _____			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☐ Survey			
We request your attendance to inspect the following works :			
Request for inspection			
Contractor		From Station: (154+000) To Station: (157+500)	
Employer Consultant		GARB Consultant	
Request No L-138		Date 9-12-2023	



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)



كود المسار	خط
خط	خط

Station	From	To
	154+840	154+980

فواصل المسار

Station	TOP OF SUB GRADE (CENTER)				Left						Right			SUPER ELEV.L	SUPER ELEV.R	Width of Layer		TOTAL WIDTH
	EAST	NORTH	PERMA LEVEL		13.436	12	8	4	P.G.C.L	4	8	9.936	L			R		
154+940	268814.069	3180369.639	70.19	EXIST LEVEL	69.66	69.71	69.87	70.03	70.19	70.03	69.87	69.80	4%	4%	13.436	9.936	23.372	
				DES.READ	1.5	2	2	1	1	2	2							
				ACT.READ														
				DEF														
154+950	268806.7555	3180362.819	70.2505	EXIST LEVEL	69.71	69.77	69.93	70.09	70.25	70.09	69.93	69.85	4%	4%	13.436	9.936	23.372	
				DES.READ	1	2	2	1.5	1.5	1	2							
				ACT.READ														
				DEF														
154+960	268799.442	3180355.999	70.31	EXIST LEVEL	69.77	69.83	69.99	70.15	70.31	70.15	69.99	69.91	4%	4%	13.436	9.936	23.372	
				DES.READ	2	1	2	1.5	1	2	2							
				ACT.READ														
				DEF														
154+970	268792.129	3180349.179	70.3635	EXIST LEVEL	69.83	69.88	70.04	70.20	70.36	70.20	70.04	69.97	4%	4%	13.436	9.936	23.372	
				DES.READ	1	2	1	2	1	2	1							
				ACT.READ														
				DEF														
154+980	268784.816	3180342.358	70.42	EXIST LEVEL	69.88	69.94	70.10	70.26	70.42	70.26	70.10	70.02	4%	4%	13.436	9.936	23.372	
				DES.READ	1	2	1	1.5	2	1	2							
				ACT.READ														
				DEF														
154+990	268777.5025	3180335.538	70.4765	EXIST LEVEL	69.94	70.00	70.16	70.32	70.48	70.32	70.16	70.08	4%	4%	13.436	9.936	23.372	
				DES.READ	1	1	1	1.5	2	1	2							
				ACT.READ														
				DEF														
154+900	268770.189	3180328.718	70.53	EXIST LEVEL	70.00	70.05	70.21	70.37	70.53	70.37	70.21	70.14	4%	4%	13.436	9.936	23.372	
				DES.READ	2	1.5	2	1	2	1	2							
				ACT.READ														
				DEF														
154+910	268762.8755	3180321.898	70.59	EXIST LEVEL	70.05	70.11	70.27	70.43	70.59	70.43	70.27	70.19	4%	4%	13.436	9.936	23.372	
				DES.READ	1	2	1	1.5	2	1	2							
				ACT.READ														
				DEF														
154+920	268755.562	3180315.077	70.65	EXIST LEVEL	70.11	70.17	70.33	70.49	70.65	70.49	70.33	70.25	4%	4%	13.436	9.936	23.372	
				DES.READ	2	1	1.5	1	2	1	2							
				ACT.READ														
				DEF														
154+930	268748.249	3180308.257	70.7035	EXIST LEVEL	70.17	70.22	70.38	70.54	70.70	70.54	70.38	70.31	4%	4%	13.436	9.936	23.372	
				DES.READ	1.5	1	1	1	2	1	2							
				ACT.READ														
				DEF														
154+940	268740.936	3180301.437	70.76	EXIST LEVEL	70.22	70.28	70.44	70.60	70.76	70.60	70.44	70.36	4%	4%	13.436	9.936	23.372	
				DES.READ	1.5	1	2	1.5	1	1.5	1.5							
				ACT.READ														
				DEF														
154+950	268733.8225	3180294.617	70.8165	EXIST LEVEL	70.28	70.34	70.50	70.66	70.82	70.66	70.50	70.42	4%	4%	13.436	9.936	23.372	
				DES.READ	1	2	1	1	2	1	2							
				ACT.READ														
				DEF														
154+960	268726.309	3180287.796	70.87	EXIST LEVEL	70.34	70.39	70.55	70.71	70.87	70.71	70.55	70.48	4%	4%	13.436	9.936	23.372	
				DES.READ	2	1	2	1	2	1	2							
				ACT.READ														
				DEF														
154+970	268718.996	3180280.976	70.93	EXIST LEVEL	70.39	70.45	70.61	70.77	70.93	70.77	70.61	70.53	4%	4%	13.436	9.936	23.372	
				DES.READ	1	2	1	2	1	2	2							
				ACT.READ														
				DEF														
154+980	268711.883	3180274.156	70.99	EXIST LEVEL	70.45	70.51	70.67	70.83	70.99	70.83	70.67	70.59	4%	4%	13.436	9.936	23.372	
				DES.READ	1	2	1	2	1.5	1	2							
				ACT.READ														
				DEF														

المهندس المهندس
9-10-2023

مهندس البلدية



Tirans

الهيئة العامة للطيران المدني



مشروع القطار السريع (اكثوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500
الشركة المصرية لتجارة الحديد والاسمنت

ST	154+520	154+540	154+560	154+580	154+600	154+620	154+640	154+660	154+680	154+700	154+720	154+740	154+760	154+780	154+800	154+820	154+840	154+860	154+880	154+900	154+920	154+940	154+960	154+980	155+000	155+020
station	68.381	68.494	68.607	68.721	68.834	68.947	69.061	69.174	69.287	69.4	69.514	69.627	69.74	69.854	69.967	70.08	70.194	70.307	70.42	70.533	70.647	70.76	70.873	70.987	71.1	71.213
NGL	67.974	67.645	67.415	67.645	67.873	67.987	68.23	68.13	67.896	68.083	68.25	68.031	67.67	67.652	68.009	67.988	68.117	67.999	67.85	68.089	68.224	68.202	68.55	68.497	68.148	67.979
0.35	68.131	68.244	68.357	68.471	68.584	68.697	68.811	68.924	69.037	69.15	69.264	69.377	69.49	69.604	69.717	69.83	69.944	70.057	70.17	70.283	70.397	70.51	70.623	70.737	70.85	70.963
0.50		67.994	68.107	68.221	68.334	68.447	68.561	68.674	68.787	68.9	69.014	69.127	69.24	69.354	69.467	69.58	69.694	69.807	69.92	70.033	70.147	70.26	70.373	70.487	70.6	70.713
0.75		67.744	67.857	67.971	68.084	68.197	68.311	68.424	68.537	68.65	68.764	68.877	68.99	69.104	69.217	69.33	69.444	69.557	69.67	69.783	69.897	70.01	70.123	70.237	70.35	70.463
1.00			67.607	67.721				68.174	68.287	68.4	68.514	68.627	68.74	68.854	68.967	69.08	69.194	69.307	69.42	69.533	69.647	69.76	69.873	69.987	70.1	70.213
1.25								68.037	68.15		68.264	68.377	68.49	68.604	68.717	68.83	68.944	69.057	69.17	69.283	69.397	69.51	69.623	69.737	69.85	69.963
1.50															68.127	68.24	68.354	68.467	68.58	68.694	68.807	68.92	69.033	69.147	69.26	69.373
1.75															67.99	68.104	68.217	68.33	68.444	68.557	68.67	68.783	68.897	69.01	69.123	69.237
2.00															67.74	67.854		68.08	68.194	68.307	68.42	68.533	68.647	68.76	68.873	69.1
2.50																			67.92						68.6	68.713
3.00																									68.213	
3.50																										
4.00																										
4.50																										
5.00																										
5.50																										
DIFF	0.407	0.849	1.192	1.076	0.961	0.96	0.831	1.044	1.391	1.317	1.264	1.596	2.07	2.202	1.958	2.092	2.077	2.308	2.57	2.444	2.423	2.558	2.323	2.49	2.952	3.234
LAYER	0.25	0.75	1	1	0.75	0.75	0.75	1	1.25	1.25	1.25	1.5	2	2	1.75	2	2	2	2.5	2	2	2.5	2	2	2.5	3
THICK OF LAYER	0.157	0.099	0.192	0.076	0.211	0.21	0.081	0.044	0.141	0.067	0.014	0.096	0.07	0.202	0.208	0.092	0.077	0.308	0.07	0.444	0.423	0.058	0.323	0.49	0.452	0.234

مهندس الاستشاري
Dr. H. El-Sherpieny

مهندس المقاوم
Dr. H. El-Sherpieny

ميول وعروض طبقات الردم - (34 م ردم)

في حالة طريق الخدمة في الجهة اليسرى ويبدون قنات جاذبية

Typical Fill 1

رقم الطبقة	الانخفاض الطبقة عن مستوى التسوية - TOE	معدل الطبقة في الجانبيين	المعرض في الجانب الايمن	المعرض في الجانب اليسر
1	0	4%	9.936	-13.436
2	0.25	4%	10.335	-13.835
3	0.5	4%	10.734	-14.234
4	0.75	4%	11.133	-14.633
5	1	4%	11.532	-15.032
6	1.25	3%	11.743	-15.188
7	1.5	2%	11.948	-15.340
8	1.75	1%	12.147	-15.487
9	2	0%	12.340	-15.630
10	2.25	0%	12.715	-16.005
11	2.5	0%	13.090	-16.380
12	2.75	0%	13.465	-16.755
13	3	0%	13.840	-17.130
14	3.25	0%	14.215	-17.505
15	3.5	0%	14.590	-17.880
16	3.75	0%	14.965	-18.255
17	4	0%	15.340	-18.630
18	4.25	0%	15.715	-19.005
19	4.5	0%	16.090	-19.380
20	4.75	0%	16.465	-19.755
21	5	0%	16.840	-20.130
22	5.25	0%	17.215	-20.505
23	5.5	0%	19.590	-20.880
24	5.75	0%	19.965	-23.255
25	6	0%	20.340	-23.630
26	6.25	0%	20.715	-24.005
27	6.5	0%	21.090	-24.380
28	6.75	0%	21.465	-24.755

مدير المشروع

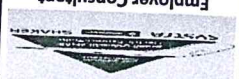
م. عثمان سعيد

المهندس جهاد علي

مدير المكتب الفني

م. عمر مصطفى الهادي

١٠٠٢-١-٩

Request for Inspection We request your attendance to inspect the following works :		Date : 15/11/2023	
Request No L-116	Employer Consultant 	Contractor 	From october to Aswan OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)
Discipline : ☐ Civil/Slope Protection ☐ Structure ☒ Drainage ☐ Survey			
Inspection time :			
Location :		INSPECTION ZONE	
References		From Station 155+220 To Station 155+340 Specification:	
Purpose of the Inspection : @First @Second @Third			
Others (specify) 1. Earthworks ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment 2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other 3- Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
Particular Details Submitted by : _____ Inspection Report : Surveying systems Signature : _____ Surveyor Signature : _____ The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D)			
Inspection Report : Entrans Consulting Signature : _____ Structural Eng. Civil Eng. E/M Eng. Arch. Eng. Resident Engineer Signature : _____ The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise & Resubmit (C) ☐ Rejected (D)			
Engineer's Representative " SYSTRA " comments : Signature : _____ Date : 15/11/2023			
Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.			

١٥/١١/٢٠٢٣
 م. ١٥/١١/٢٠٢٣
 م. ١٥/١١/٢٠٢٣



**OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)**

**ENTRANS
CONSULTING**



المملكة العربية السعودية
Kingdom of Saudi Arabia



قرية النخلة
التيمة
مستطاع طرزان

Station	
From	To
155+220	155+340

مستطاع طرزان - 1.00 م

Station	TOP OF SUB GRADE (CENTER)				Left				P.G.C.L	Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL		15.032	12	8	4		4	8	11.532			L	R	
155+220	268536.16	3180110.47	72.35	EXIST.LEVEL 70.74 DES.READ ACT.READ DEF	 +2	 -2	 +3	 +2	 -2	 -1	 +2	 -2	4%	4%	15.032	11.532	26.564
155+240	269252.866	3180778.855	72.46	EXIST.LEVEL 70.86 DES.READ ACT.READ DEF	 +3	 +1	 -1	 +2	 -1	 +2	 +3	 +4	4%	4%	15.032	11.532	26.564
155+260	269238.239	3180765.214	72.57	EXIST.LEVEL 70.97 DES.READ ACT.READ DEF	 +2	 +1	 +2	 -1	 +2	 -2	 +3	 +4	4%	4%	15.032	11.532	26.564
155+280	269223.613	3180751.574	72.69	EXIST.LEVEL 71.08 DES.READ ACT.READ DEF	 +2	 +1	 +2	 -1	 +2	 -2	 +3	 +4	4%	4%	15.032	11.532	26.564
155+300	269208.986	3180737.933	72.80	EXIST.LEVEL 71.20 DES.READ ACT.READ DEF	 +2	 +1	 +2	 -1	 +2	 -1	 +2	 -1	4%	4%	15.032	11.532	26.564
155+320	269194.36	3180724.293	72.91	EXIST.LEVEL 71.31 DES.READ ACT.READ DEF	 +2	 +1	 +2	 -1	 +3	 +4	 +2	 -1	4%	4%	15.032	11.532	26.564
155+340	268448.404	3180028.627	73.01	EXIST.LEVEL 71.41 DES.READ ACT.READ DEF	 +2	 +1	 +2	 -1	 +3	 +4	 +2	 -2	4%	4%	15.032	11.532	26.564

المهندس الاستشاري

مهندس الشركة

ميول وعروض طبقات الردم - (34 م ردم)
في حالة طريق الخدمة في الجهة اليسرى وبدون قناة جانبية

Typical Fill 1

رقم الطبقة	انخفاض الطبقة عن مستوى TOE	ميول الطبقة في الجانبين	العرض في الجانب اليمين	العرض في الجانب اليسار
1	0	4%	9.936	-13.436
2	0.25	4%	10.335	-13.835
3	0.5	4%	10.734	-14.234
4	0.75	4%	11.133	-14.633
5	1	4%	11.532	-15.032
6	1.25	3%	11.743	-15.188
7	1.5	2%	11.948	-15.340
8	1.75	1%	12.147	-15.487
9	2	0%	12.340	-15.630
10	2.25	0%	12.715	-16.005
11	2.5	0%	13.090	-16.380
12	2.75	0%	13.465	-16.755
13	3	0%	13.840	-17.130
14	3.25	0%	14.215	-17.505
15	3.5	0%	14.590	-17.880
16	3.75	0%	14.965	-18.255
17	4	0%	15.340	-18.630
18	4.25	0%	15.715	-19.005
19	4.5	0%	16.090	-19.380
20	4.75	0%	16.465	-19.755
21	5	0%	16.840	-20.130
22	5.25	0%	17.215	-20.505
23	5.5	0%	19.590	-20.880
24	5.75	0%	19.965	-23.255
25	6	0%	20.340	-23.630
26	6.25	0%	20.715	-24.005
27	6.5	0%	21.090	-24.380
28	6.75	0%	21.465	-24.755

مدير المشروع

م. عثمان سعيد

المهندس محمد جواد علي

مدير المكتب الفني

م. عمر مصطفى إلهادي

١٤٣١-١-٩



مشروع المطار السريع (أكتوبر / اسوان) القطاع الأول قطاع بطول 3.5 كم من 154+000 إلى 157+500
الشركة المصرية لتجارة الحديد والاسمنت

SIT	155+000	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500
station	155+000	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500
DL	72.226	72.34	72.453	72.566	72.68	72.793	72.906	73.019	73.133	73.246	73.359	73.473	73.586	73.699	73.811	73.914	74.004	74.081	74.147	74.2	74.243	74.283	74.323	74.363
forma	71.326	71.44	71.553	71.666	71.78	71.893	72.006	72.119	72.233	72.346	72.459	72.573	72.686	72.799	72.911	73.014	73.104	73.181	73.247	73.3	73.343	73.383	73.423	73.463
NGL	67.982	66.772	66.75	67.843	68.104	68.124	68.089	68.542	68.764	69.004	68.863	68.787	68.933	69.193	69.438	70.113	69.732	67.935	67.92	69.893	69.719	69.43	69.859	70.234
0.25	71.076	71.19	71.303	71.416	71.53	71.643	71.756	71.869	71.983	72.096	72.209	72.323	72.436	72.549	72.661	72.764	72.854	72.931	72.997	73.05	73.093	73.133	73.173	73.213
0.50	70.826	70.94	71.053	71.166	71.28	71.393	71.506	71.619	71.733	71.846	71.959	72.073	72.186	72.299	72.411	72.514	72.604	72.681	72.747	72.8	72.843	72.883	72.923	72.963
0.75	70.576	70.69	70.803	70.916	71.03	71.143	71.256	71.369	71.483	71.596	71.709	71.823	71.936	72.049	72.161	72.264	72.354	72.431	72.497	72.55	72.593	72.633	72.673	72.713
1.00	70.326	70.44	70.553	70.666	70.78	70.893	71.006	71.119	71.233	71.346	71.459	71.573	71.686	71.799	71.911	72.014	72.104	72.181	72.247	72.3	72.343	72.383	72.423	72.463
1.25	70.076	70.19	70.303	70.416	70.53	70.643	70.756	70.869	70.983	71.096	71.209	71.323	71.436	71.549	71.661	71.764	71.854	71.931	71.997	72.05	72.093	72.133	72.173	72.213
1.50	69.826	69.94	70.053	70.166	70.28	70.393	70.506	70.619	70.733	70.846	70.959	71.073	71.186	71.299	71.411	71.514	71.604	71.681	71.747	71.8	71.843	71.883	71.923	71.963
1.75	69.576	69.69	69.803	69.916	70.03	70.143	70.256	70.369	70.483	70.596	70.709	70.823	70.936	71.049	71.161	71.264	71.354	71.431	71.497	71.55	71.593	71.633	71.673	71.713
2.00	69.326	69.44	69.553	69.666	69.78	69.893	70.006	70.119	70.233	70.346	70.459	70.573	70.686	70.799	70.911	71.014	71.104	71.181	71.247	71.3	71.343	71.383	71.423	71.463
2.50	68.826	68.94	69.053	69.166	69.28	69.393	69.506	69.619	69.733	69.846	69.959	70.073	70.186	70.299	70.411	70.514	70.604	70.681	70.747	70.8	70.843	70.883	70.923	70.963
3.00	68.326	68.44	68.553	68.666	68.78	68.893	69.006	69.119	69.233	69.346	69.459	69.573	69.686	69.799	69.911	70.014	70.104	70.181	70.247	70.3	70.343	70.383	70.423	70.463
3.50	67.94	68.053	68.166	68.28	68.393	68.506	68.619											69.681	69.747		69.843	69.883	69.923	
4.00	67.44	67.553																69.181	69.247					
4.50	66.94	67.053																68.681	68.747					
5.00																		68.181	68.247					
5.50																								
DIFF	3.344	4.668	4.803	3.823	3.676	3.769	3.917	3.577	3.469	3.342	3.596	3.786	3.693	3.606	3.473	2.901	3.372	5.246	5.327	3.407	3.624	3.953	3.564	3.229
LAYER	3	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	3.5	2.5	3	2.5	3	5	5	3	3.5	3.5	3.5	3
THICK OF LAYER	0.344	0.168	0.303	0.323	0.176	0.269	0.417	0.077	0.469	0.342	0.056	0.286	0.193	1.106	0.473	0.401	0.372	0.246	0.327	0.407	0.124	0.453	0.064	0.229

مهندس الاستشاري
15/10/2014

مهندس المرافق
15/10/2014

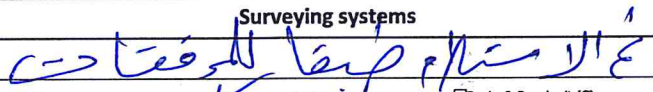
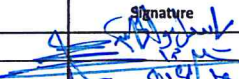
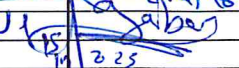
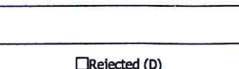
Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسجته للجهات الاستشارية والمقررة المرفقة يسلم الأصل للهيئة العامة للطرق والكباري	
Signature: _____			
Date: / /			
Engineer's Representative "SYSTRA" comments: _____			
Signature: _____			
Date: 20/10/2023			
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)			
Resident Engineer			
Arch. Eng. _____			
E/M Eng. _____			
Civil Eng. _____			
Structural Eng. _____			
Inspection Report :			
Signature		_____	
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revised Resubmit (C) ☐ Rejected (D)			
Surveyor			
Inspection Report :			
Signature		_____	
Submitted by :			
Particular Details			
Others (specify)			
1. Earthworks ☐ Striping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment			
2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other			
3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection			
4. Surveying ☐ Setting out ☐ Levels ☐ Verticality ☐ NGL			
5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing			
LAYER(1.25) BACKFILL 10/10/2023			
Purpose of the inspection :			
Inspection : ☒ First ☐ Second ☐ Third			
References			
Location : INSPECTION ZONE From Station 155+220 To Station 155+340 Date : Discipline : ☒ Survey ☐ Structure ☐ Drainage ☐ Civil/Slope Protection			
We request your attendance to inspect the following works :			
Request for inspection			
Contractor OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)			
Employer Consultant Electric Express Train - HSR From october to Aswan			
GARB Consultant Date: 20/10/2023			
Request No: L-106			

Sand cone test

Date / 15/11/2023
 Company / المصرية
 Project / انشاء القطار الكهربائي السريع القطاع الاول من اكتوبر الى اسوان
 Layer No / -1.00
 Station / 155+220 : 155+340

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	10642	10465	10324	8875	8746	9978		
Weight of sand cone after test (g)	6402	6234	6253	5124	5134	6213		
Weight of the wet sample (g)	4320	4291	3962	3471	3318	3508		
Weight of sand filling the cone (g)	1396							
Moisture content %	6.9	6.8	6.2	6.6	6.5	6.8		
Maximum dry density (g/cm ³)	2.108							
Sand density (g/cm ³)	1.47							
Required relative compaction %	95%							
Relative compaction %	99.09	98.83	97.26	96.42	98.04	96.69		

Lab.Eng /  / Consultant Eng / 

 Employer Consultant	Electric Express Train - HSR From october to Aswan	 Request No L-115
 Contractor	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station: (157+500)	 GARB Consultant
15/11/2023		
Request for Inspection		
We request your attendance to inspect the following works :		
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey		
Inspection time :	Date :	
Location :	INSPECTION ZONE	From Station : 155+100 To Station : 155+220
References	Specification:	
Inspection : ☒ First ☐ Second ☐ Third		
Purpose of the Inspection :		
1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☒ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other	3. Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Earthing
4. Surveying ☒ Setting out ☒ Levels ☐ Verticality ☐ NGL		
الشركة المصرية للمقاولات والتجارة قطاع القطر السريع من ١٥٤ وحتى ١٥٧/٥		
Others (specify) _____		
Particular Details LAYER(-1.00) BACKFILL		
Submitted by :		Signature :
Inspection Report : Surveying systems		Signature
Surveyor		
The work have fount to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)		
Inspection Report : EnTrans Consulting		Signature
Structural Eng.		
Civil Eng.		
E\M Eng.		
Arch. Eng.		
Resident Engineer _____		
The work have fount to be : ☒ Approved (A) ☐ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)		
Signature	Date: 15/11/2023	
Engineer's Representative " SYSTRA " comments : _____		
Signature : _____ Date : / /		
Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		
يسلم الأصل للهيئة العامة للطرق والكباري ونسخه للجهات الإستشارية والشركة المنفذه		



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

EndBrans
CONSULTING



مكتب الدراسات
والهندسة المدنية والاساسيات



	قراءة القيمة
	الطابق
	مستوى سطح الممران

Station	
From	To
155+100	155+220

مستوي خيطه 1.00-م

Station	TOP OF SUB GRADE (CENTER)			Left					P.G-C.L	Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL	15.032	12	8	4			4	8	11.532			L	R	
155+100	268623.923	3180192.31	71.67	EXIST.LEVEL	70.06	70.19	70.35	70.51	70.67	70.51	70.35	70.20	4%	4%	15.032	11.532	26.564
				DES.READ													
				ACT.READ	+2	-2	+3	+2	-2	-2	+3	+2					
155+120	268609.297	3180178.67	71.78	EXIST.LEVEL	70.48	70.30	70.46	70.62	70.78	70.62	70.46	70.32	4%	4%	15.032	11.532	26.564
				DES.READ													
				ACT.READ	-1	+2	-1	+2	-2	+3	+4	+2					
155+140	268594.67	3180165.03	71.89	EXIST.LEVEL	70.29	70.41	70.57	70.73	70.89	70.73	70.57	70.43	4%	4%	15.032	11.532	26.564
				DES.READ													
				ACT.READ	-1	+2	-2	+3	+2	-1	+2	-1					
155+160	268580.044	3180151.39	72.01	EXIST.LEVEL	70.40	70.53	70.69	70.85	71.01	70.85	70.69	70.54	4%	4%	15.032	11.532	26.564
				DES.READ													
				ACT.READ	+2	-2	+2	-2	+3	+4	+2	-1					
155+180	268565.417	3180137.75	72.12	EXIST.LEVEL	70.52	70.64	70.80	70.96	71.12	70.96	70.80	70.66	4%	4%	15.032	11.532	26.564
				DES.READ													
				ACT.READ	+2	-1	+2	-1	+2	+3	+4	+2					
155+200	268550.79	3180124.11	72.23	EXIST.LEVEL	70.63	70.75	70.91	71.07	71.23	71.07	70.91	70.77	4%	4%	15.032	11.532	26.564
				DES.READ													
				ACT.READ	+2	-1	+2	-1	+2	+3	+4	+2					
155+220	268536.16	3180110.47	72.35	EXIST.LEVEL	70.74	70.87	71.03	71.19	71.35	71.19	71.03	70.88	4%	4%	15.032	11.532	26.564
				DES.READ													
				ACT.READ	-1	+2	-2	+3	+2	-1	+1	-2					

المهندس الاستشاري

مهندس الشركة

ميول وعروض طبقات الردم _ (34 م ردم)

Typical Fill 1

العرض في الجانب اليسار	العرض في الجانب اليمين	ميول الطبقة في الجانبين	انخفاض الطبقة عن مستوى التسوية TOE	رقم الطبقة
-13.436	9.936	4%	0	1
-13.835	10.335	4%	0.25	2
-14.234	10.734	4%	0.5	3
-14.633	11.133	4%	0.75	4
-15.032	11.532	4%	1	5
-15.188	11.743	3%	1.25	6
-15.340	11.948	2%	1.5	7
-15.487	12.147	1%	1.75	8
-15.630	12.340	0%	2	9
-16.005	12.715	0%	2.25	10
-16.380	13.090	0%	2.5	11
-16.755	13.465	0%	2.75	12
-17.130	13.840	0%	3	13
-17.505	14.215	0%	3.25	14
-17.880	14.590	0%	3.5	15
-18.255	14.965	0%	3.75	16
-18.630	15.340	0%	4	17
-19.005	15.715	0%	4.25	18
-19.380	16.090	0%	4.5	19
-19.755	16.465	0%	4.75	20
-20.130	16.840	0%	5	21
-20.505	17.215	0%	5.25	22
-20.880	17.590	0%	5.5	23
-21.255	17.965	0%	5.75	24
-21.630	18.340	0%	6	25
-22.005	18.715	0%	6.25	26
-22.380	19.090	0%	6.5	27
-22.755	19.465	0%	6.75	28

مدير المشروع

م. عثمان سعيد

المرمى بهل عرض نهلي

مدير المكتب الفني

م. عمر مصطفى المهدي

١٤٣١-١-٩

مشروع القطار السريع (أكتوبر / اسوان) القطاع الاول بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

SIT		CUP																									
station		155+000	155+060	155+080	155+100	155+120	155+140	155+160	155+180	155+200	155+220	155+240	155+260	155+280	155+300	155+320	155+340	155+360	155+380	155+400	155+420	155+440	155+460	155+480	155+500		
D.I	72.226	72.34	72.453	72.566	72.68	72.793	72.906	73.019	73.133	73.246	73.359	73.473	73.586	73.699	73.811	73.914	74.004	74.081	74.147	74.2	74.243	74.283	74.323	74.363			
terma	71.326	71.44	71.553	71.666	71.78	71.893	72.006	72.119	72.233	72.346	72.459	72.573	72.686	72.799	72.911	73.014	73.104	73.181	73.247	73.3	73.343	73.383	73.423	73.463			
NGL	67.982	66.772	66.75	67.843	68.104	68.124	68.089	68.542	68.764	69.004	68.863	68.787	68.693	69.193	69.438	70.113	69.732	67.935	67.92	69.893	69.719	69.43	69.859	70.234			
0.25	71.076	71.19	71.303	71.416	71.53	71.643	71.756	71.869	71.983	72.096	72.209	72.323	72.436	72.549	72.661	72.764	72.854	72.931	72.997	73.05	73.093	73.133	73.173	73.213			
0.50	70.826	70.94	71.053	71.166	71.28	71.393	71.506	71.619	71.733	71.846	71.959	72.073	72.186	72.299	72.411	72.514	72.604	72.681	72.747	72.8	72.843	72.883	72.923	72.963			
0.75	70.576	70.69	70.803	70.916	71.03	71.143	71.256	71.369	71.483	71.596	71.709	71.823	71.936	72.049	72.161	72.264	72.354	72.431	72.497	72.55	72.593	72.633	72.673	72.713			
1.00	70.326	70.44	70.553	70.666	70.78	70.893	71.006	71.119	71.233	71.346	71.459	71.573	71.686	71.799	71.911	72.014	72.104	72.181	72.247	72.3	72.343	72.383	72.423	72.463			
1.25	70.076	70.19	70.303	70.416	70.53	70.643	70.756	70.869	70.983	71.096	71.209	71.323	71.436	71.549	71.661	71.764	71.854	71.931	71.997	72.05	72.093	72.133	72.173	72.213			
1.50	69.826	69.94	70.053	70.166	70.28	70.393	70.506	70.619	70.733	70.846	70.959	71.073	71.186	71.299	71.411	71.514	71.604	71.681	71.747	71.8	71.843	71.883	71.923	71.963			
1.75	69.576	69.69	69.803	69.916	70.03	70.143	70.256	70.369	70.483	70.596	70.709	70.823	70.936	71.049	71.161	71.264	71.354	71.431	71.497	71.55	71.593	71.633	71.673	71.713			
2.00	69.326	69.44	69.553	69.666	69.78	69.893	70.006	70.119	70.233	70.346	70.459	70.573	70.686	70.799	70.911	71.014	71.104	71.181	71.247	71.3	71.343	71.383	71.423	71.463			
2.50	68.826	68.94	69.053	69.166	69.28	69.393	69.506	69.619	69.733	69.846	69.959	70.073	70.186	70.299	70.411	70.514	70.604	70.681	70.747	70.8	70.843	70.883	70.923	70.963			
3.00	68.326	68.44	68.553	68.666	68.78	68.893	69.006	69.119	69.233	69.346	69.459	69.573	69.686	69.799	69.911		70.104	70.181	70.247	70.3	70.343	70.383	70.423	70.463			
3.50		67.94	68.053	68.166	68.28	68.393	68.506	68.619			68.959	69.073	69.166	69.299				69.681	69.747		69.843	69.883	69.923				
4.00		67.44	67.553															69.181	69.247								
4.50		66.94	67.053															68.681	68.747								
5.00																		68.181	68.247								
5.50																											
DIFF	3.344	4.668	4.803	3.823	3.676	3.769	3.917	3.577	3.469	3.342	3.596	3.786	3.693	3.606	3.473	2.901	3.372	5.246	5.327	3.407	3.624	3.953	3.564	3.229			
LAYER	3	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3	3	3.5	3.5	3.5	2.5	3	2.5	3	5	5	3	3.5	3.5	3.5	3			
THICK OF LAYER	0.344	0.168	0.303	0.323	0.176	0.269	0.417	0.077	0.469	0.342	0.096	0.286	0.193	1.106	0.473	0.401	0.372	0.246	0.327	0.407	0.124	0.453	0.064	0.229			

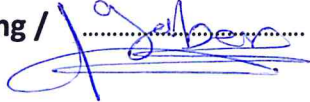
 Employer Consultant	Electric Express Train - HSR From october to Aswan	 GARB Consultant	Request No L-105
 Contractor	OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL) SECTION ONE (OCTOBER - BANI MAZAR) From Station: (154+000) To Station:(157+500)	 GARB Consultant	Date 7/11/2023
Request for Inspection			
We request your attendance to inspect the following works :			
Discipline : ☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey			
Inspection time :		Date :	
Location :	INSPECTION ZONE	From Station	To Station
		155+100	155+220
References		Specification:	
Inspection : ☒ First ☐ Second ☐ Third			
Purpose of the inspection :			
1. Earthworks ☐ Stripping ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment	2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other	3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection 5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreteing ☐ Earthing	4. Surveying ☒ Setting out ☒ Levels ☐ Verticality ☐ NGL
Others (specify)		الشريعة المصرية للمقاولات والتجارة قطاع التطوير السريع من ١٥٤ وحتى ١٥٧/٥	
Particular Details		LAYER(-1.25) BACKFILL	
Submitted by :		Signature :	
Inspection Report :		Surveying systems	
Surveyor		Signature	
The work have found to be :		☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)	
Inspection Report :		EnTrans Consulting	
Structural Eng.		Signature	
Civil Eng.		Signature	
EVM Eng.		Signature	
Arch. Eng.		Signature	
Resident Engineer		Signature	
The work have found to be :		☐ Approved (A) ☒ Approved as Noted (B) ☐ Revise& Resubmit (C) ☐ Rejected (D)	
Signature		Date: 3/11/2023	
Engineer's Representative " SYSTRA " comments :			
Signature :		Date : / /	
Attach all relevant particular test forms		يسلم الأصل للهيئة العامة للطرق والكباري	
Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.		ونسخه للجهات الإستشارية والشركة المنفذه	

Sand cone test

Date / 15/11/2023
Company / المصرية
Project / انشاء القطار الكهربائي السريع القطاع الاول من اكتوبر الي اسوان
Layer No / -1.00
Station / 155+100 : 155+220

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	9120	9321	9864	9547	9768	9687		
Weight of sand cone after test (g)	5312	5411	6109	5960	5949	6012		
Weight of the wet sample (g)	3640	3780	3474	3250	3610	3410		
Weight of sand filling the cone (g)	1396							
Mositure content %	6.9	6.2	6.5	6.8	6.7	6.5		
Maximum dry density (g/cm3)	2.108							
Sand density (g/cm3)	1.47							
Required relative compaction %	95%							
Relative compaction %	98.44	98.73	96.43	96.85	97.37	97.97		

Lab.Eng / 

Consultant Eng / 

sand cone test

Date /

9/11/2023

company /

المصرية

project /

انشاء القطار الكهربائي السريع القطاع الاول من اكتوبر الى اسوان

Layer No /

-1

Station /

155+660: 155+760

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	10017	9958	9856	9722				
Weight of sand cone after test (g)	6680	6440	6250	6211				
Weight of the wet sample(g)	3312	3546	3752	3572				
Weight of sand filling the cone (g)	1130							
Mositure content %	6.5	7	7	6.8				
Maximum dry density(g /cm3)	2.108							
sand density (g/cm3)	1.47							
Required relative compaction %	95%							
Relative Compaction %	98.26	96.78	98.76	98.96				

Lab.Eng /

Consuiant Eng /



OCTOBER, ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

Trans
CONSULTING



مكتب استشارات
الهندسة والبناء



مقياس 1:500

في اتجاه	
الخط	من محطة حيدر

Station	
From	To
154+700	154+840

Station	TOP OF SUB GRADE (CENTER)			Left										Right			SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH	FERMA LEVEL		14.234	12	8	4	P-G-C.L	4	8	10.734		L	R						
154+700	268916.455	3180465.12	69.40	EXIST LEVEL	68.33	68.42	68.58	68.74	68.90	68.74	68.58	68.47	0.04	0.04	14.234	10.734	24.968				
				DES.READ																	
				ACT.READ																	
154+720	268901.828	3180451.48	69.51	EXIST LEVEL	68.44	68.53	68.69	68.85	69.01	68.85	68.69	68.58	0.04	0.04	14.234	10.734	24.968				
				DES.READ																	
				ACT.READ																	
				DEF																	
				EXIST LEVEL	68.56	68.65	68.81	68.97	69.13	68.97	68.81	68.70	0.04	0.04	14.234	10.734	24.968				
154+740	268887.202	3180437.84	69.63	DES.READ									0.04	0.04	14.234	10.734	24.968				
				ACT.READ																	
				DEF																	
				EXIST LEVEL	68.67	68.76	68.92	69.08	69.24	69.08	68.92	68.81	0.04	0.04	14.234	10.734	24.968				
154+760	268872.575	3180424.2	69.74	DES.READ									0.04	0.04	14.234	10.734	24.968				
				ACT.READ																	
				DEF																	
				EXIST LEVEL	68.78	68.87	69.03	69.19	69.35	69.19	69.03	68.92	0.04	0.04	14.234	10.734	24.968				
154+780	268857.948	3180410.56	69.85	DES.READ									0.04	0.04	14.234	10.734	24.968				
				ACT.READ																	
				DEF																	
				EXIST LEVEL	68.90	68.99	69.15	69.31	69.47	69.31	69.15	69.04	0.04	0.04	14.234	10.734	24.968				
154+800	268843.322	3180396.92	69.97	DES.READ									0.04	0.04	14.234	10.734	24.968				
				ACT.READ																	
				DEF																	
				EXIST LEVEL	69.01	69.10	69.26	69.42	69.58	69.42	69.26	69.15	0.04	0.04	14.234	10.734	24.968				
154+820	268828.695	3180383.28	70.08	DES.READ									0.04	0.04	14.234	10.734	24.968				
				ACT.READ																	
				DEF																	
				EXIST LEVEL	69.12	69.21	69.37	69.53	69.69	69.53	69.37	69.26	0.04	0.04	14.234	10.734	24.968				
154+840	268814.069	3180369.64	70.19	DES.READ									0.04	0.04	14.234	10.734	24.968				
				ACT.READ																	
				DEF																	

المهندس الاستشاري

Signature

مهندس الشركة



OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)
SECTION ONE (OCTOBER - BANI MAZAR)

Entrans
CONSULTING



مكتب استشارات
الهندسة والبناء



رقم الملف	
التاريخ	
مستوى سطح العمل	

Station	TO
From	155+560
	155+660

مستوى طبقة 2.00 م

Station	TOP OF SUB GRADE (CENTER)		FERMA LEVEL	Left					P.G.C.L	Right					SUPER ELEV.L	SUPER ELEV.R	Width of layer		TOTAL WIDTH
	EAST	NORTH		15.53	12.00	8.00	4.00			4.00	8.00	12.00	12.34				L	R	
155+560	268287.51	3179878.58	73.583	EXIST.LEVEL	71.58	71.58	71.58	71.58	71.58	71.58	71.58	71.58	71.58	71.58	0	0	15.630	12.340	27.97
				DES.READ															
				ACT.READ															
				DEF	+2	-1	+2	-1	+2	+3	+2								
155+580	268272.89	3179864.94	73.623	EXIST.LEVEL	71.62	71.62	71.62	71.62	71.62	71.62	71.62	71.62	71.62	71.62	0	0	15.630	12.340	27.97
				DES.READ															
				ACT.READ															
				DEF	+2	-3	+2	-1	+2	-1	+2	+3	+4						
155+600	268258.28	3179851.30	73.663	EXIST.LEVEL	71.66	71.66	71.66	71.66	71.66	71.66	71.66	71.66	71.66	71.66	0	0	15.630	12.340	27.97
				DES.READ															
				ACT.READ															
				DEF	+2	-1	-2	+3	+2	-1	+3	+4	+2						
155+620	268243.63	3179837.66	73.703	EXIST.LEVEL	71.70	71.70	71.70	71.70	71.70	71.70	71.70	71.70	71.70	71.70	0	0	15.630	12.340	27.97
				DES.READ															
				ACT.READ															
				DEF	-2	+3	+2	-1	+3	+4	+2	-1	+2						
155+640	268229.01	3179824.02	73.743	EXIST.LEVEL	71.74	71.74	71.74	71.74	71.74	71.74	71.74	71.74	71.74	71.74	0	0	15.630	12.340	27.97
				DES.READ															
				ACT.READ															
				DEF	+3	+2	-1	+3	+2	-1	+2	+3	+4						
155+660	268214.379	3179810.379	73.783	EXIST.LEVEL	71.78	71.78	71.78	71.78	71.78	71.78	71.78	71.78	71.78	71.78	0	0	15.630	12.340	27.97
				DES.READ															
				ACT.READ															
				DEF	+2	-1	+3	+2	-1	+2	-1	+3	+4						

المهندس الاستشاري

مهندس الشركة



Trains

الهيئة القومية للنقل



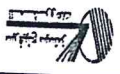
مشروع القطار السريع / أكتوبر / اسوان) القطاع الاول قطاع بطول 3.5 كم من كم 154+000 الى كم 157+500

الشركة المصرية لتجارة الحديد والاسمنت

SIT	157+500															
	155+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820
station	155+520	155+540	155+560	155+580	155+600	155+620	155+640	155+660	155+680	155+700	155+720	155+740	155+760	155+780	155+800	155+820
DL	74.403	74.443	74.483	74.523	74.563	74.603	74.643	74.683	74.723	74.763	74.803	74.843	74.883	74.923	74.964	75.004
ferma	73.503	73.543	73.583	73.623	73.663	73.703	73.743	73.783	73.823	73.863	73.903	73.943	73.983	74.023	74.064	74.104
NGL	70.446	70.398	69.955	69.932	69.812	69.921	70.041	70.515	70.555	70.864	70.99	70.588	70.876	71.74	71.948	73.302
0.25	73.253	73.293	73.333	73.373	73.413	73.453	73.493	73.533	73.573	73.613	73.653	73.693	73.733	73.773	73.814	73.854
0.50	73.003	73.043	73.083	73.123	73.163	73.203	73.243	73.283	73.323	73.363	73.403	73.443	73.483	73.523	73.564	73.604
0.75	72.753	72.793	72.833	72.873	72.913	72.953	72.993	73.033	73.073	73.113	73.153	73.193	73.233	73.273	73.314	73.354
1.00	72.503	72.543	72.583	72.623	72.663	72.703	72.743	72.783	72.823	72.863	72.903	72.943	72.983	73.023	73.064	73.104
1.25	72.253	72.293	72.333	72.373	72.413	72.453	72.493	72.533	72.573	72.613	72.653	72.693	72.733	72.773	72.814	72.854
1.50	72.003	72.043	72.083	72.123	72.163	72.203	72.243	72.283	72.323	72.363	72.403	72.443	72.483	72.523	72.564	72.604
1.75	71.753	71.793	71.833	71.873	71.913	71.953	71.993	72.033	72.073	72.113	72.153	72.193	72.233	72.273	72.314	72.354
2.00	71.503	71.543	71.583	71.623	71.663	71.703	71.743	71.783	71.823	71.863	71.903	71.943	71.983	72.023	72.064	72.104
2.50	71.003	71.043	71.083	71.123	71.163	71.203	71.243	71.283	71.323	71.363	71.403	71.443	71.483	71.523	71.564	71.604
3.00	70.503	70.543	70.583	70.623	70.663	70.703	70.743	70.783	70.823	70.863	70.903	70.943	70.983	71.023	71.064	71.104
3.50			70.083	70.123	70.163	70.203	70.243									
4.00																
4.50																
5.00																
5.50																
DIFF	3.057	3.145	3.628	3.691	3.851	3.782	3.702	3.268	3.268	2.999	2.913	3.355	3.107	2.283	2.116	0.802
LAYER	3	3	3.5	3.5	3.5	3.5	3	3	3	2.5	2.5	3	3	2	2	0.75
THICK OF LAYER	0.057	0.145	0.128	0.191	0.351	0.282	0.702	0.268	0.268	0.499	0.413	0.355	0.107	0.283	0.116	0.052
0.057																
0.145																
0.128																
0.191																
0.351																
0.282																
0.702																
0.268																
0.268																
0.499																
0.413																
0.355																
0.107																
0.283																
0.116																
0.052																
0.273																
0.704																
0.914																
1.004																
0.774																
0.574																
0.044																
0.274																
0.484																

Approved.

Pauline P

									
Request No		L-107		Date		10/10/2022			
Employer Consultant		From october to Aswan		OCTOBER ASWAN ELECTRIC EXPRESS TRAIN (HIGH SPEED RAIL)		SECTION ONE (OCTOBER - BANI MAZARA)		From Station: (154+000) To Station: (157+500)	
Contractor									
Request for Inspection									
We request your attendance to inspect the following works :									
Discipline :									
☐ Civil/Slope Protection ☐ Structure ☐ Drainage ☒ Survey									
Inspection time :		Date :							
Location :		INSPECTION ZONE		From Station		To Station		Specification:	
				155+560		155+660			
References									
Inspection :		@First		OSecond		OThird			
Purpose of the inspection :									
1. Earthworks ☐ Strippling ☐ Natural Sub Grade ☐ Upper Embankment ☐ Excavation ☐ Sub Grade ☐ Sub Ballast ☐ Ballast ☐ Embankment									
2. Civil Work ☐ Open Channels ☐ Box Culvert ☐ Pipe Culvert ☐ Slope protection ☐ Gabion ☐ Side Ditches ☐ Other									
3-Drainage ☐ Formation ☐ Sides of Excavation ☐ Backfilling Layers ☐ Slope protection									
4. Surveying ☐ Setting out ☐ Levels ☐ Vertically ☐ NGL									
5. Structure ☐ Formwork ☐ Reinforcement ☐ Concreting ☐ Earthing									
Particular Details Others (specify) _____ Submitted by : _____ Signature : _____ LAYER(-2.50) BACKFILL									
Inspection Report : Surveyor _____ Signature _____ The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)									
Inspection Report : Structural Eng. _____ Civil Eng. _____ E/M Eng. _____ Arch. Eng. _____ Resident Engineer _____ Approved as CIVIL Approved as noted (B)									
The work have found to be : ☐ Approved (A) ☒ Approved as Noted (B) ☐ Revised & Resubmit (C) ☐ Rejected (D)									
Engineer's Representative " SYSTRA " comments : Signature _____ Date 10/10/2022									
Attach all relevant particular test forms Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.									

sand cone test

Date /

0/11/2023

company /

المصرية

project /

انشاء القطر الكهربائي السريع القطاع الاول من اكتوبر الى اسوان

Layer No /

-2

Station /

155+560: 155+660

Hole number	1	2	3	4	5	6	7	8
Weight of sand cone before test (g)	10017	9958						
Weight of sand cone after test (g)	6680	6440						
Weight of the wet sample(g)	3312	3546						
Weight of sand filling the cone (g)	1130							
Moisture content %	6.5	7						
Maximum dry density(g /cm3)	2.108							
sand density (g/cm3)	1.47							
Required relative compaction %	95%							
Relative Compaction %	98.26	96.78						

Lab.Eng / 

Consulant Eng / 

عن عملية : تنفيذ جسر القنطرة الصناعية بطاغات مشروع إنشاء القطار الكهربائي (العلوم - بني سويف - الأقصر - اسوان - ابوسيدل)
تنفيذ أعمال الجسر القنطرة القطاع الأول أكتوبر - بني مزار من الكم 154+000 إلى الكم 157+500 بطول 3.5 كم
تجاه العلوم (بالمر المائل) تنفذ : شركة المصرية للمقاولات وتجارة الحديد والاسمنت

وزارة النقل
الهيئة العامة للنقل والبنية
المشقة الأولى المركزية

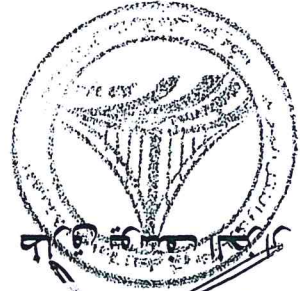


بيان أعمال

مستخلص جارى رقم (2) عن الفترة من بداية العمل حتى 2023-12-5

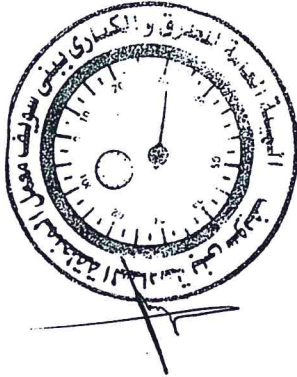
رقم البند	بيان الأعمال	الوحدة	الكمية حسب المقاييس	الكمية المنقذة فعلياً	الكمية الاجمالية (المصروفة سابقاً)	الكمية الغلجية الحالية	الكمية المدرجة بالمستخلص
1	أعمال الإنشاء والتطوير						
1-1	بالمتر المسطح أعمال تطهير الموقع من الأشجار والمزروعات والمخلفات في مناطق الدلتا ذات الطبيعة الزراعية الكثيفة وعمق حتى 30 سم و التخلص منها بالمقالب العمومية تمهيداً لأعمال الرقع المصاحي لكامل حدود المشروع طبقاً للشروط والمواصفات وتعليمات المهندسين المشرفين. مسافة النقل حتى 500 متر و يتم احتساب علاوة 0.25 جنيه لكل 1 كم	م2	5000.00	4720.00	4248.000	354.00	4602.000
2-1	الحد إزالة لشجار من مسار الطريق والتخلص منها على الا يقل قطر الشجرة عن 30 سم وإزالة الجذور بالكامل ونقلها خارج الموقع طبقاً لتعليمات مهندسين المشرفين	العدد	250.00	230.00	207.000	17.00	224.000
2	أعمال الحفر						
1-2	بالمتر المكعب أعمال حفر باستخدام المعدات الميكانيكية لجميع أنواع قنطرة عدا قنطرة الصغرية ونسوية المسطح بالأت الترسية وإرشاد بالدماء الأولية لتوصيل إلى نسبة الطرية المطلوبة وذلك الجيد بهامرات لتوصيل إلى أقصى كثافة جافة (95%) من الكثافة الجافة القصوى) ومعمل على البند تحميل ونقل الأتربة إرتدة لمسافة 500 متر من محور الطريق ويتم التنفيذ طبقاً للنسائيب التصميمية والطاغات العرضية الترسية والرسومات التنفيذية المعتمدة وإلته جميع مشتتات طبقاً لأصول الصناعة ومواصفات الهيئة العامة لنقل والبنية وتعليمات المهندسين المشرفين. وفي حالة زيادة مسافة نقل نتاج الحفر عن 500 متر من محور الطريق يتم حساب 1 جنيه لكلومتر زيادة.	م3	5291.00 8200	8310.45	3478.905	4623.78	8102.689
2-2	بالمتر المكعب أعمال حفر باستخدام المعدات الميكانيكية في قنطرة التماسكة عدا قنطرة الصغرية (إستخدام البلوزر) ونسوية المسطح بالأت الترسية وإرشاد بالدماء الأولية لتوصيل إلى نسبة الطرية المطلوبة وذلك الجيد بهامرات لتوصيل إلى أقصى كثافة جافة (95%) من الكثافة الجافة القصوى) ومعمل على البند تحميل ونقل الأتربة إرتدة لمسافة 500 متر من محور الطريق ويتم التنفيذ طبقاً للنسائيب التصميمية والطاغات العرضية الترسية والرسومات التنفيذية المعتمدة وإلته جميع مشتتات طبقاً لأصول الصناعة ومواصفات الهيئة العامة لنقل والبنية وتعليمات المهندسين المشرفين. وفي حالة زيادة مسافة نقل نتاج الحفر عن 500 متر من محور الطريق يتم حساب 1 جنيه لكلومتر زيادة.	م3	6000.00	5364.88	4828.392	402.37	5230.758
3-2	بالمتر المكعب أعمال حفر باستخدام المعدات الميكانيكية في قنطرة شديدة التماسكة (إفلة متجه أو عدا قنطرة الصغرية (إستخدام البلوزر) ونسوية المسطح بالأت الترسية وإرشاد بالدماء الأولية لتوصيل إلى نسبة الطرية المطلوبة وذلك الجيد بهامرات لتوصيل إلى أقصى كثافة جافة (95%) من الكثافة الجافة القصوى) ومعمل على البند تحميل ونقل الأتربة إرتدة لمسافة 500 متر من محور الطريق ويتم التنفيذ طبقاً للنسائيب التصميمية والطاغات العرضية الترسية والرسومات التنفيذية المعتمدة وإلته جميع مشتتات طبقاً لأصول الصناعة ومواصفات الهيئة العامة لنقل والبنية وتعليمات المهندسين المشرفين.	م3	20000.00	19126.34	17213.706	1434.48	18648.182
3	أعمال الردم						
1-3	أعمال تحميل وتوريد ونقل أتربة مطابقة للمواصفات وتنفيذها باستخدام آلات الترسية بسك 2-2 يزيد عن 50 سم حتى منسوب (2-2) أسفل منسوب الردم و بسك الأتربة عن 25 سم اعلي من منسوب (2-2) من منسوب الردم لاستكمال المنسوب التصميمي لتشكل الجسر والأكتاف (نسبة تحمل كلفورنيا حتى 20%) وردها بالدماء الأولية لتوصيل إلى نسبة الطرية المطلوبة وذلك الجيد بهامرات لتوصيل إلى أقصى كثافة جافة (95%) من الكثافة الجافة القصوى) ويتم التنفيذ طبقاً للنسائيب التصميمية والطاغات العرضية الترسية والرسومات التنفيذية المعتمدة وإلته جميع مشتتات طبقاً لأصول الصناعة ومواصفات الهيئة العامة لنقل والبنية وتعليمات المهندسين المشرفين. - في حالة طلب جهاز الإشراف زيادة نسبة الدمك عن 95% بحسب زيادة 1 جنيه على زيادة نسبة الدمك لكل 1%. - مسافة النقل حتى 2 كم و يتم احتساب علاوة 1.4 جنيه لكل كم بزيادة أو نقصان. - السعر يشمل عمل ترميمات و تخطيط واختبارات و نقل لموقع العمل حتى مسافة 2 كم . و البند 4 يشمل القيمة المعجيرة.	م3	149500.00 151755	149355.78	76728.400	68894.03	145622.434
	علاوة مسافة نقل 13 كم قبل 2023-5-4	م3	60000.00 55000	56126.00	50513.400	4209.45	54722.850
	علاوة مسافة نقل 13 كم بعد 2023-5-4	م3	69500.00 71500	71651.00	19486.000	51623.83	71109.825
	كارتة توريد أتربة	م3	126500.00 126500	127777.00	70000.000	55833.28	125833.275
	قيمة المواد المعجيرة للأتربة بالإضافة إلى نسبة الدمك 25% + 12% استقطاعات	م3	129500.00 126500	127777.00	70000.000	55833.28	125833.275
	علاوة زيادة السورلا 1.6 جنيه / م3	م3	69500.00 84000	84151.00	19486.000	64123.83	83609.825
4	بالمتر المسطح أعمال تشغيل أرض طبيعية بسك 25 سم في حالة ان المنسوب التصميمي يتطلب عمق الحفر أو الردم + 50 سم من منسوب الأرض الطبيعية لمسافة لا تقل عن 100 متر وهذا البند يشمل جميع الاختبارات اللازمة للتأكد من صلاحية الأرض الطبيعية وتسليمها وذلك طبقاً لتعليمات الاستشاري	م2	5000.00	4350.00	3915.000	326.25	4241.250





مهندس /

رئيس الادارة المركزية



(٢)

عدد

ملاحظات

تاريخ اقفى ٢٠٢٣/١٢/٥

وتفضلوا بقبول وافر التحية ...

من العملية عالية بمعرفه م / اسلام على (استشارى انترانس)
تتصرف بان نرفق طيه نتائج الاختبارات التي اجريت بمعمل المنطقة على عدد ٥ عينه اثر به الماخوذه

تحية طيبة وبنوه

المصرية للمقاولات وتجارة الحديد والاسمنت

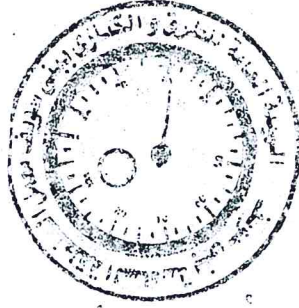
السيد المهندس / رئيس مجلس ادارة شركة

(انكور - بني مزار)
عملية القطار الكهربائي السريع (الكوبري - بني مزار) : المصرية للمقاولات وتجارة الحديد والاسمنت
شركة : المشروع

تقير رقم (١٤٥)

الهيئة العامة
للطرق والجسور والنقل النهري
GENERAL AUTHORITY
FOR ROADS, BRIDGES
AND LAND TRANSPORT (GAIRLT)

الهيئة العامة



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اجمالي	10801.5		
1326.5			% 14 م. ق.
9475			قيمة الاعمال
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3075	615	5	سي بي آر
2750	550	5	بروكتور
0	250	0	ستولة
875	175	5	لونية
1000	200	5	تدرج ناعم
1125	225	5	تدرج جش
400	80	5	تحضير العينة
اجمالي	تكاليف	العدد	الخارج

(القطار الكهربائي السريع) (الكويت / بني مزار)
 : المؤسسة للاتحاد للمقاولات
 : عدد ٥ عينة التربة
 : تدرج - لونية - صلاحية
 : تحضيرات العينة بمعرفة م / السلام علي
 : نوع الاختبار
 : نوع العينة
 : شركة
 : المشروع

مدة تنفيذ العملية 8 شهور

تاريخ استلام الموقع 2023/06/4

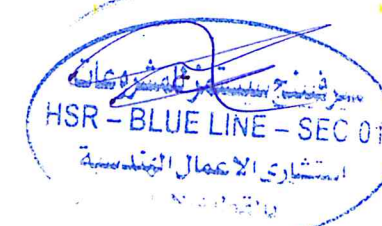
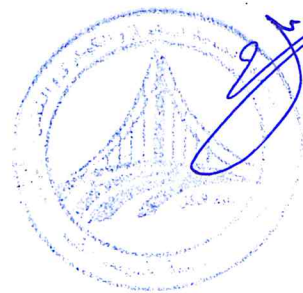
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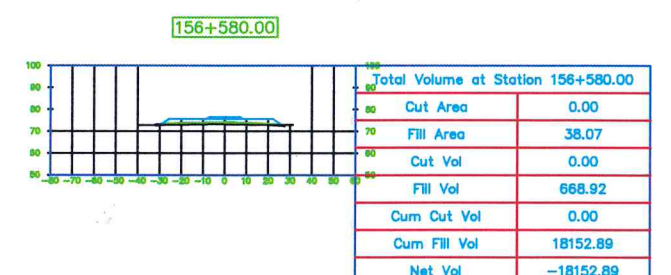
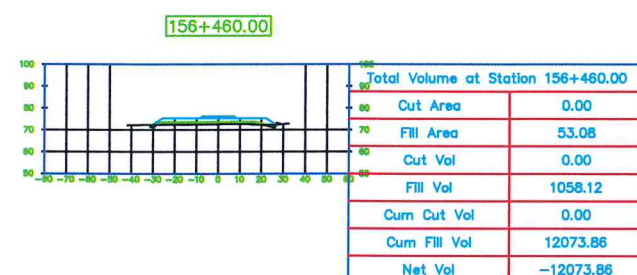
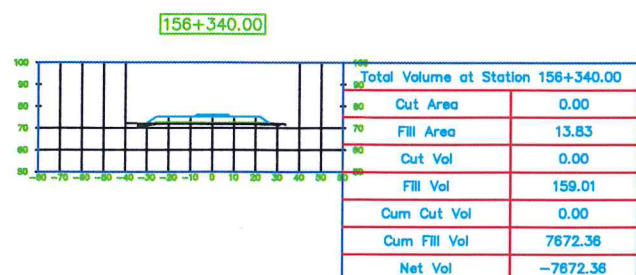
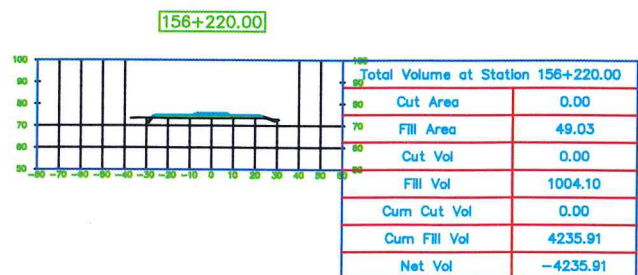
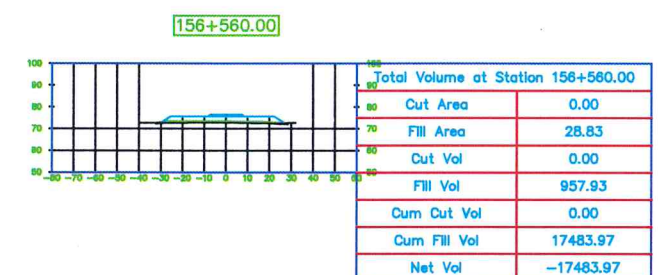
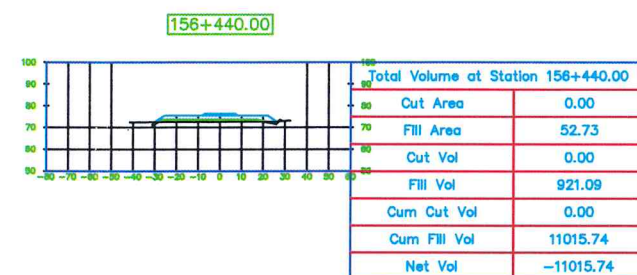
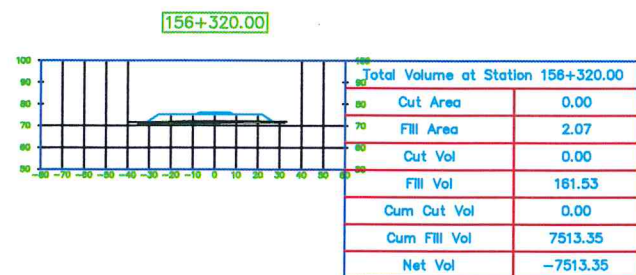
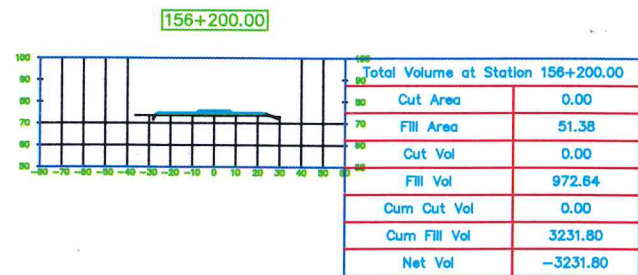
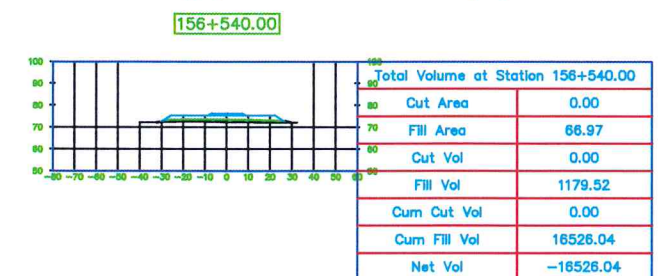
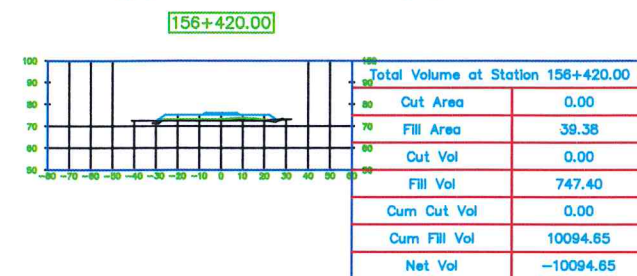
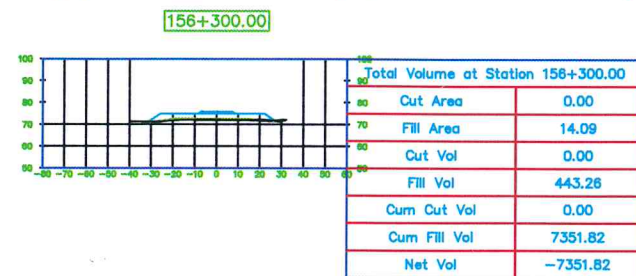
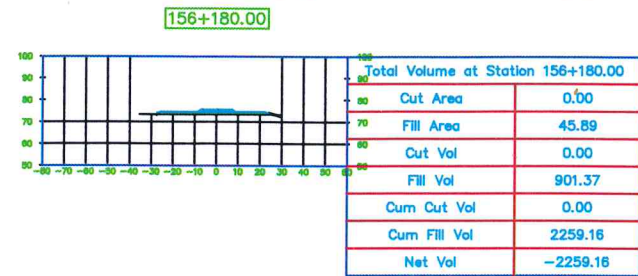
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الأسبوع الرابع	الأسبوع الأول	الأسبوع الثاني	الأسبوع الثالث	الأسبوع الرابع	الأسبوع الأول	الأسبوع الثاني	الأسبوع الثالث	الأسبوع الرابع	الأسبوع الأول	الأسبوع الثاني	الأسبوع الثالث	الأسبوع الرابع	5000	2م	أعمال تطهير الموقع
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													276800	3م	اعمال الاتربة
													7000	3م	أعمال أساس (1)
													7000	3م	أعمال أساس (2)
													7000	2م	أعمال أساس (3)
													7000	3م	أعمال أساس (4)
													2000	2م	أعمال الحماية والخرسانه

مهندس الهيئة العامة للطرق والكباري

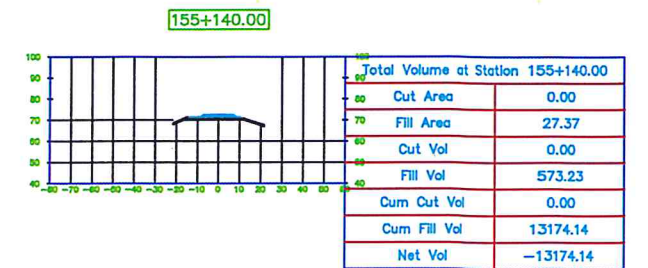
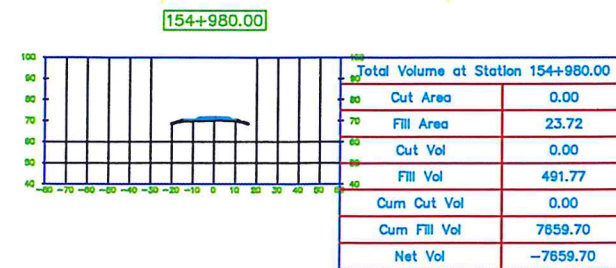
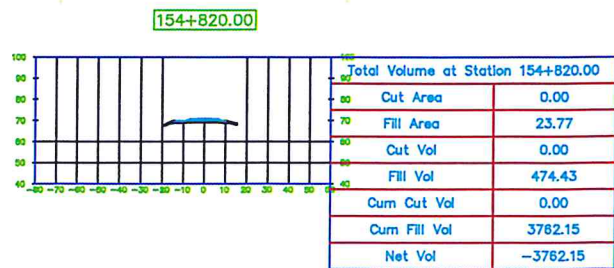
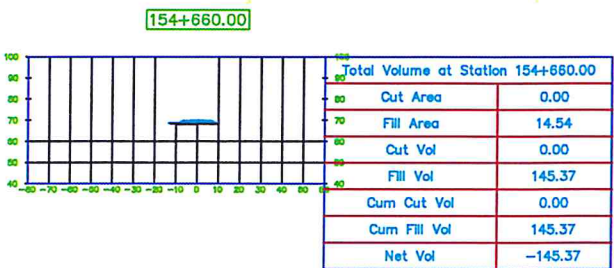
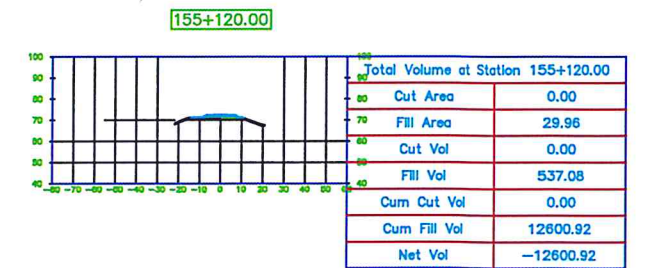
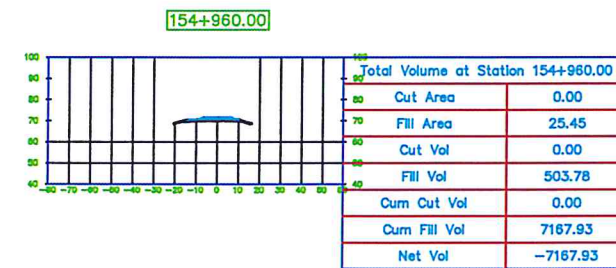
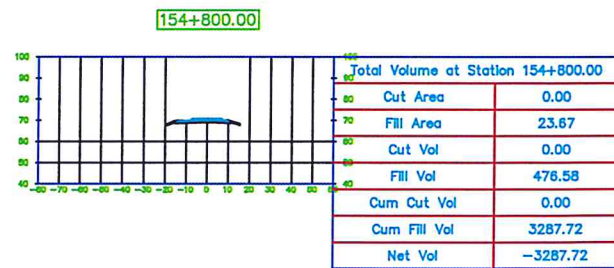
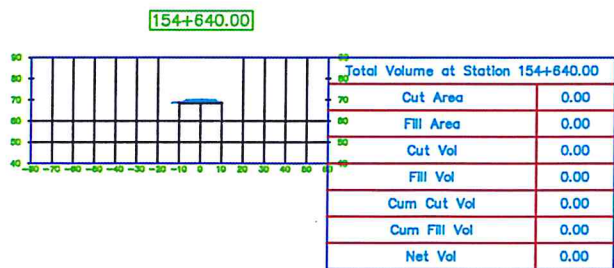
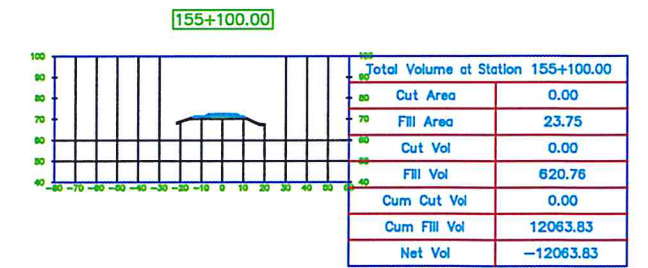
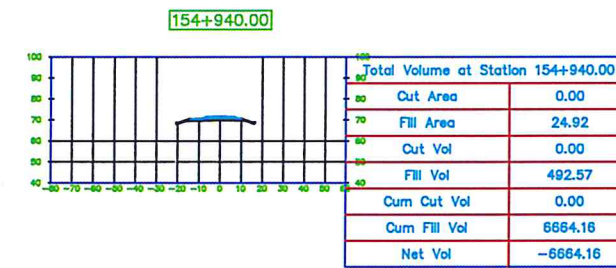
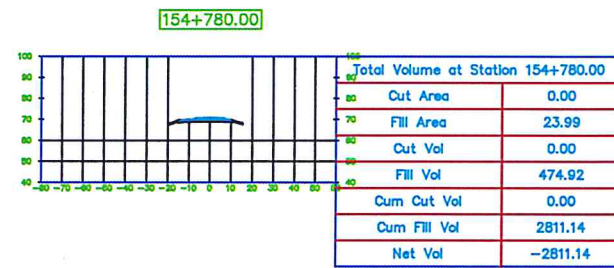
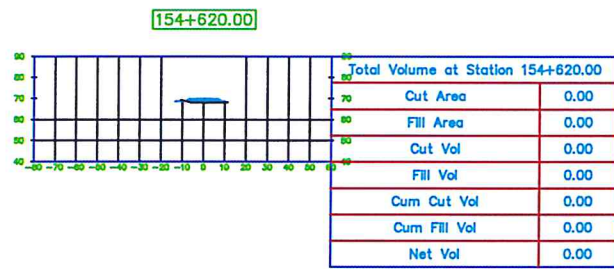
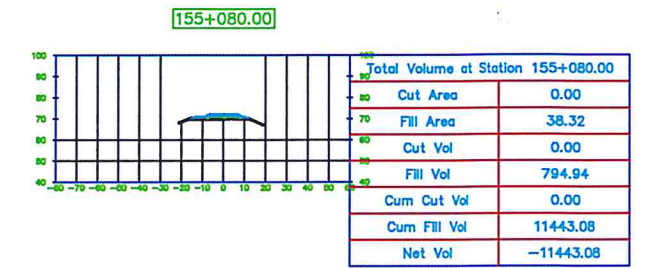
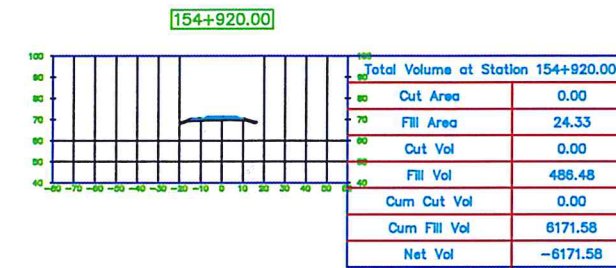
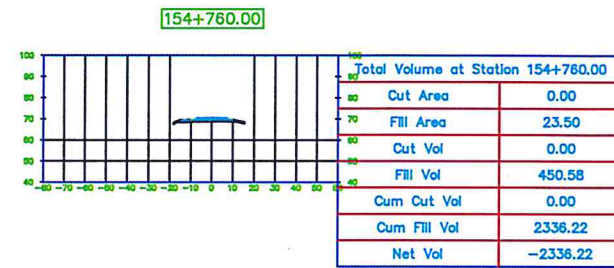
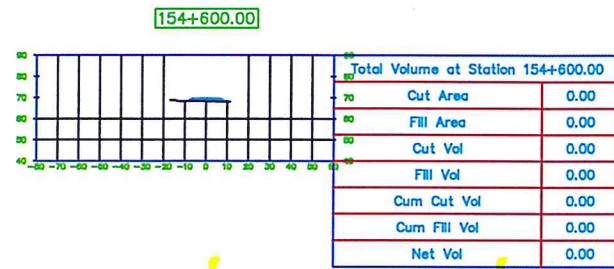
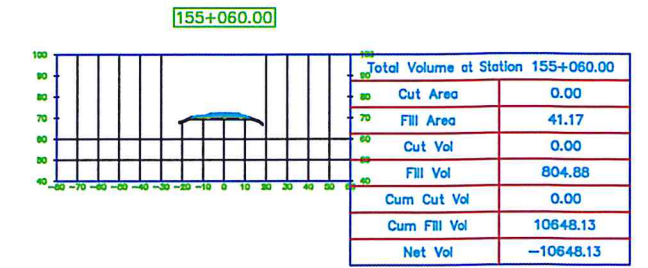
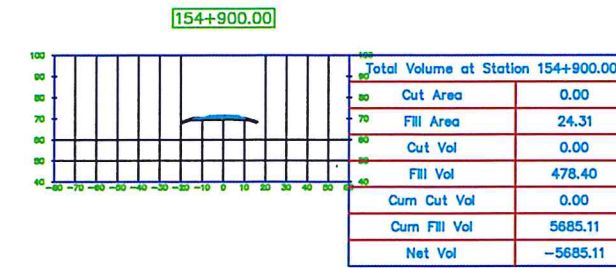
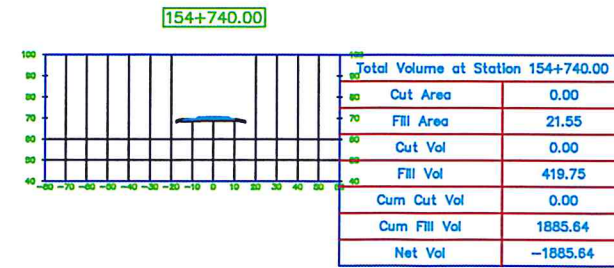
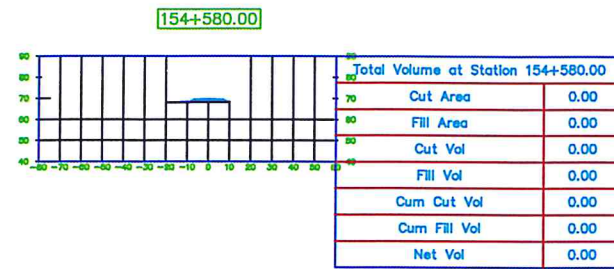
الاستشاري انترانس

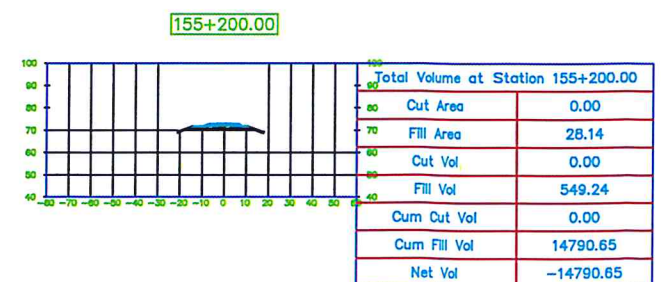
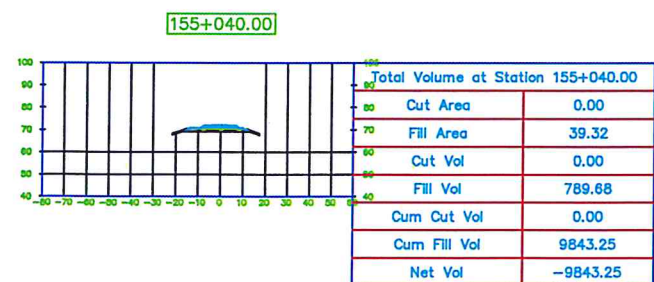
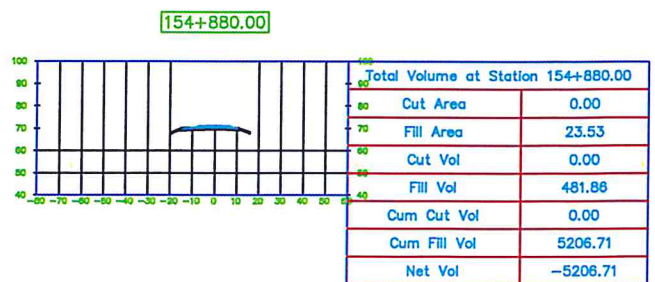
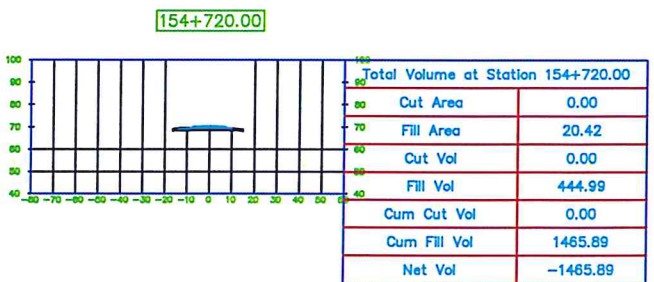
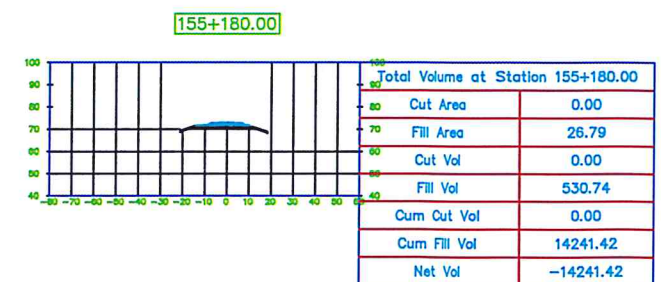
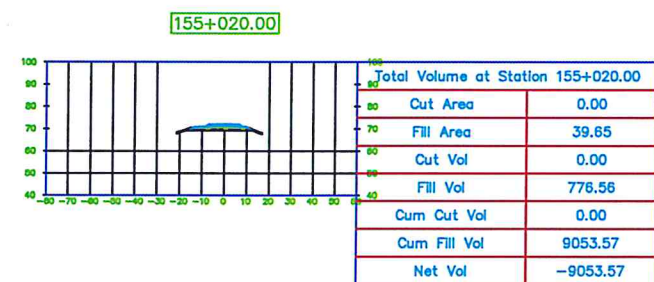
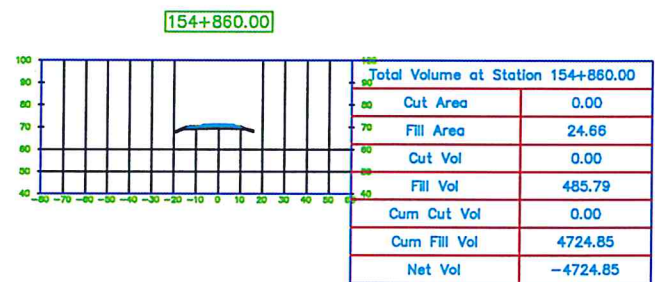
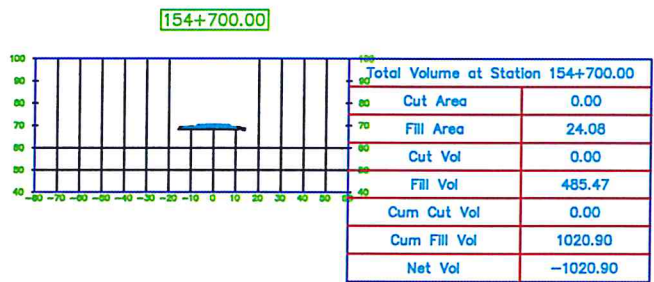
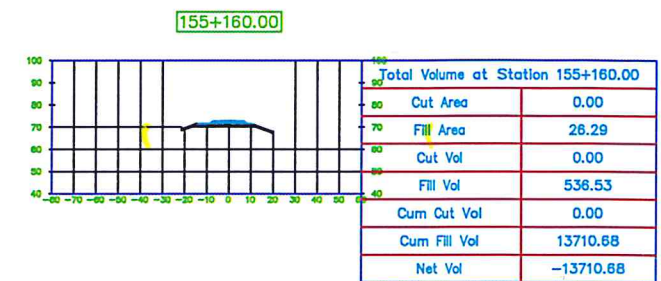
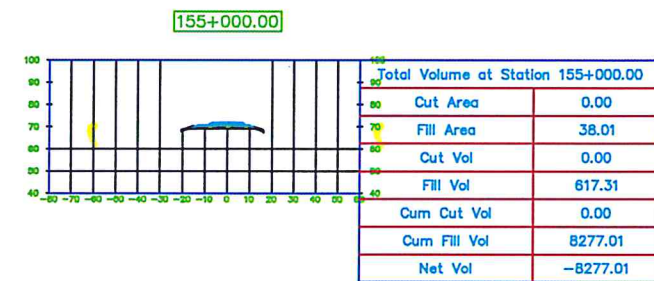
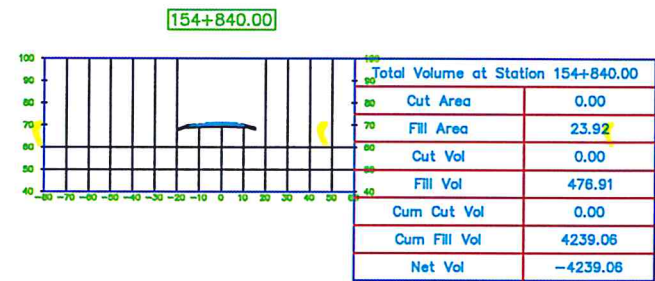
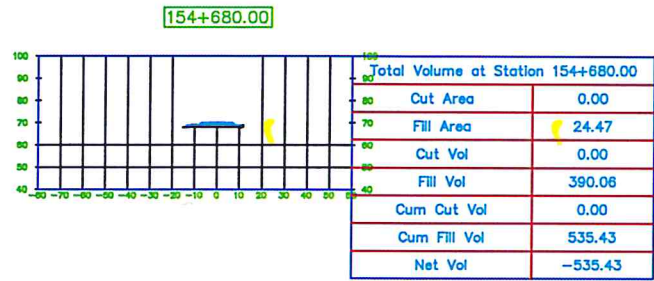
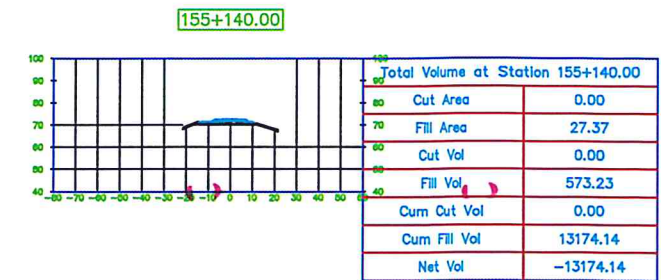
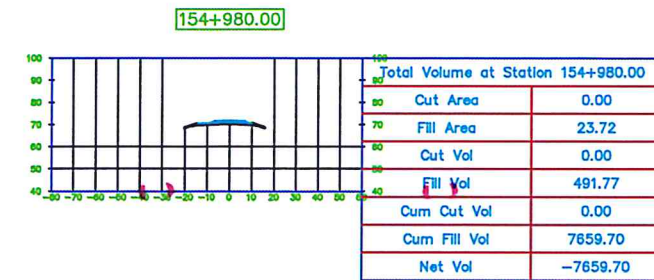
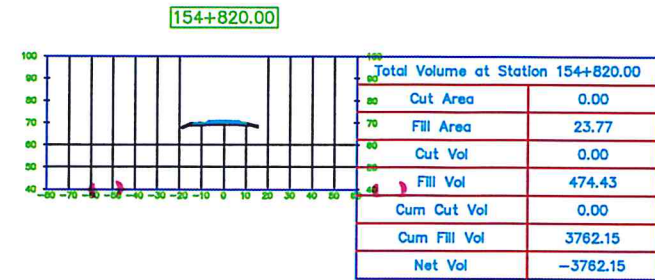
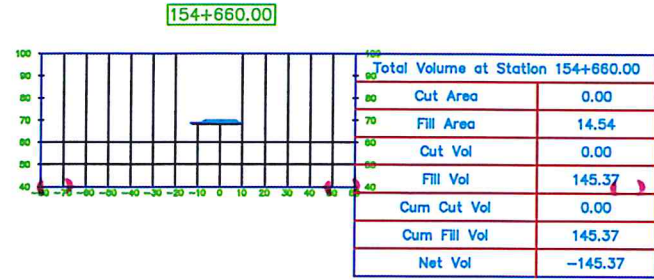
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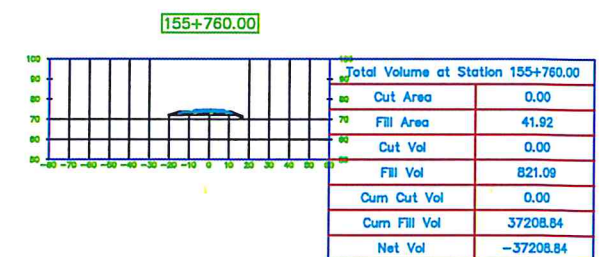
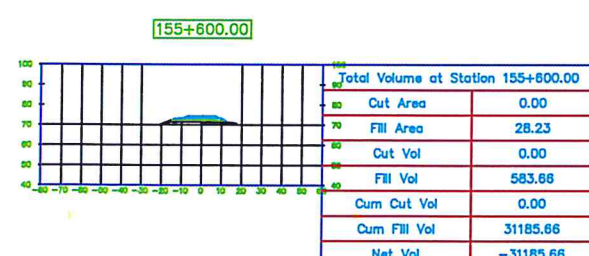
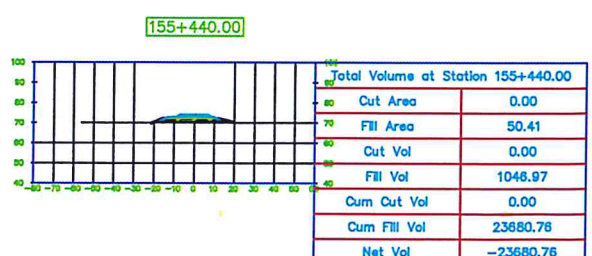
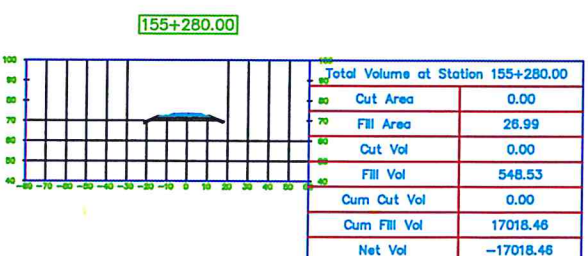
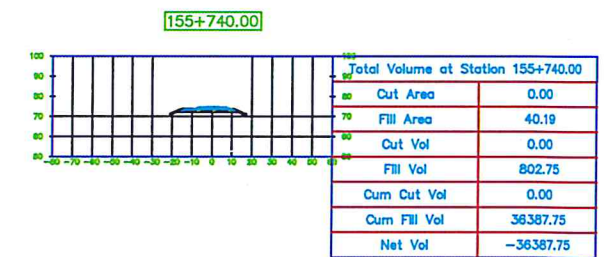
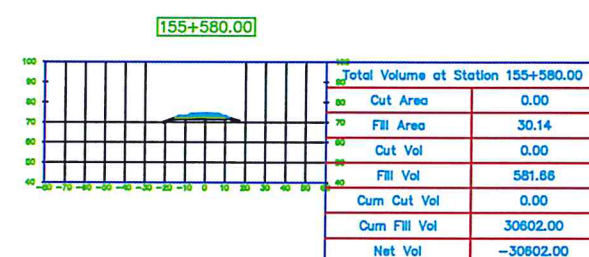
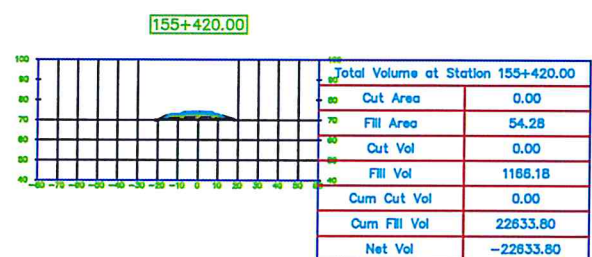
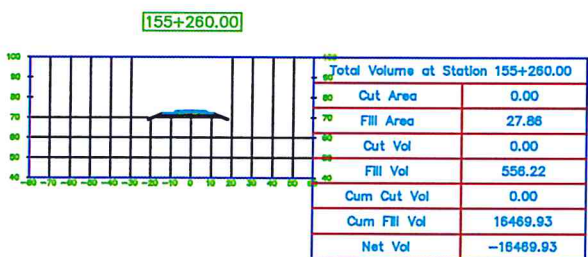
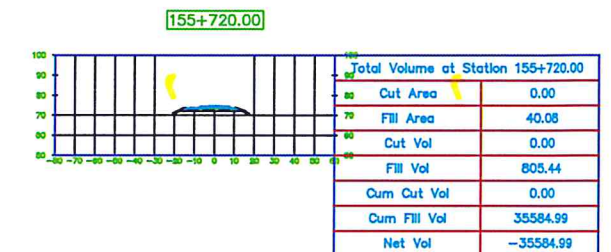
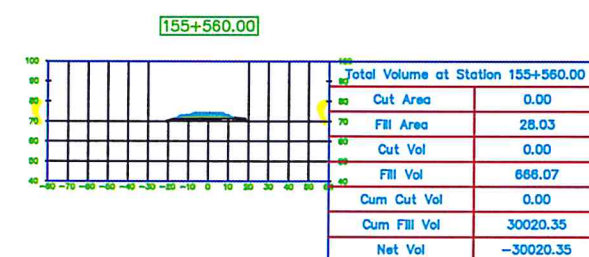
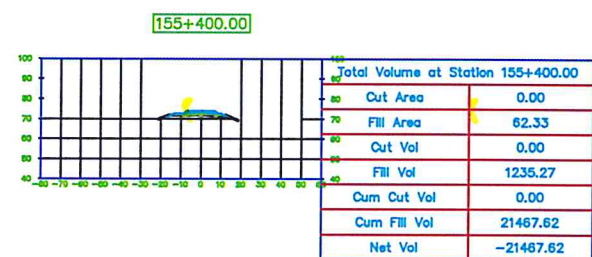
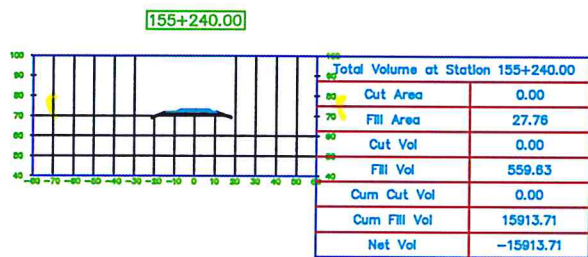
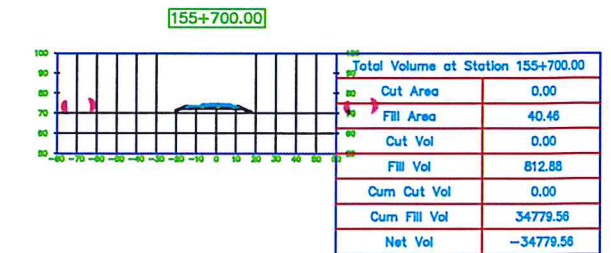
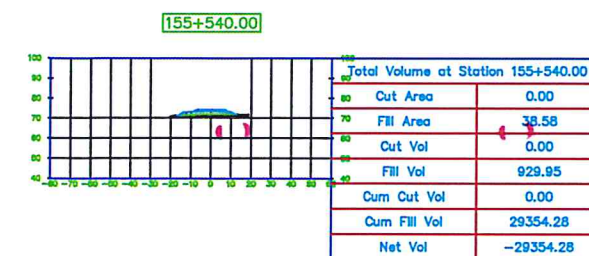
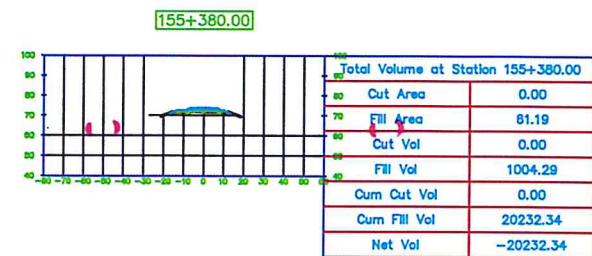
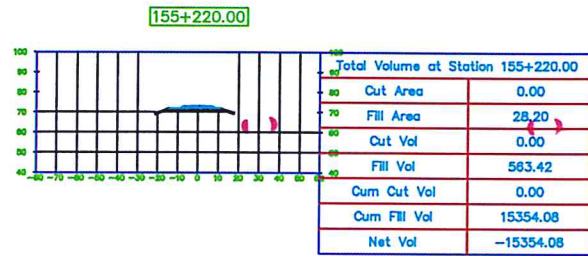




مستشارية المشاريع
HSR - BLUE LINE - SEC 01
استشارية الاعمال الهندسية
2014









مشروع القطار الكهربائي السريع

إستكمال إسناد أعمال الجسر الترابي والأعمال الصناعية بقطاعات مشروع إنشاء القطار الكهربائي السريع
(أكتوبر - نبي مزار)

تنفيذ شركة المصرية للمقاوالت وتجارة الحديد والاسمنت
مستخلص (2) جاري



بند رقم (1-3) : أعمال تحميل وتوريد ونقل أترية مطابقة للمواصفات وتشغيلها باستخدام آلات التسوية بسمك لا يزيد عن 50 سم حتى منسوب (-2 متر) اسفل منسوب الفرمة و بسمك لا يزيد عن 25سم اعلي من منسوب (-2 متر) من منسوب الفرمة.....الخ

From Station	To Station	Fill	As Built vol FILL	
			Qty(m3)	Total.Qty
154+580	155+800		38,555.36	63,504.36
156+640	157+160		6,416.00	
156+120	156+640		18,533.00	

عن الاستشاري انترانس

Handwritten signature and stamp of the consultant, Intertrans Consulting Co., with the text 'INTERTRANS CONSULTING CO.' and 'CONSULTANT'.

عن استشاري سيرفينج سيستمز

Handwritten signature and stamp of the consultant, Sirfing Systems, with the text 'HSR = BLUE LINE - SEC 01' and 'استشاري الأعمال الهندسية'.

عن الشركة

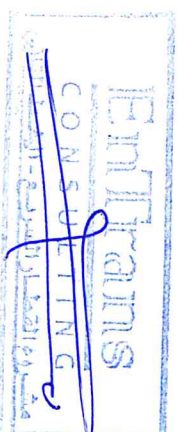
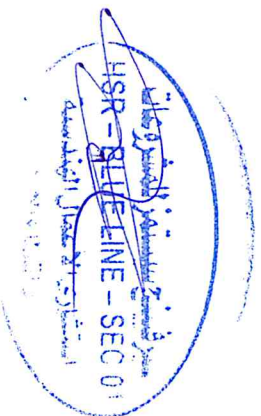
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Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
154+580.00	0.00	0.00	0.00	0.00	0.00	0.00
154+600.00	0.00	0.00	0.00	0.00	0.00	0.00
154+620.00	0.00	0.00	0.00	0.00	0.00	0.00
154+640.00	0.00	0.00	0.00	0.00	0.00	0.00
154+660.00	14.54	0.00	146.37	0.00	146.37	0.00
154+680.00	24.47	0.00	380.06	0.00	526.43	0.00
154+700.00	24.08	0.00	465.47	0.00	1020.90	0.00
154+720.00	20.42	0.00	444.89	0.00	1465.89	0.00
154+740.00	21.55	0.00	417.75	0.00	1883.64	0.00
154+760.00	23.50	0.00	460.58	0.00	2336.22	0.00
154+780.00	23.89	0.00	474.82	0.00	2811.14	0.00
154+800.00	23.87	0.00	478.58	0.00	3289.72	0.00
154+820.00	23.77	0.00	474.53	0.00	3762.15	0.00
154+840.00	23.92	0.00	478.91	0.00	4239.06	0.00
154+860.00	24.66	0.00	465.79	0.00	4724.85	0.00
154+880.00	23.53	0.00	461.86	0.00	5206.71	0.00
154+900.00	24.31	0.00	478.40	0.00	5685.11	0.00
154+920.00	24.33	0.00	468.46	0.00	6171.56	0.00
154+940.00	24.82	0.00	462.57	0.00	6664.16	0.00
154+960.00	25.45	0.00	503.78	0.00	7167.93	0.00

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
154+980.00	23.72	0.00	461.77	0.00	7659.70	0.00
155+000.00	36.01	0.00	617.31	0.00	8277.01	0.00
155+020.00	36.65	0.00	778.56	0.00	9055.57	0.00
155+040.00	39.32	0.00	789.88	0.00	9845.25	0.00
155+060.00	41.17	0.00	804.89	0.00	10648.13	0.00
155+080.00	38.32	0.00	794.94	0.00	11443.08	0.00
155+100.00	23.75	0.00	620.76	0.00	12063.83	0.00
155+120.00	29.86	0.00	537.08	0.00	12600.92	0.00
155+140.00	27.37	0.00	573.23	0.00	13174.14	0.00
155+160.00	28.29	0.00	536.53	0.00	13710.68	0.00
155+180.00	28.79	0.00	530.74	0.00	14241.42	0.00
155+200.00	28.14	0.00	549.24	0.00	14790.65	0.00
155+220.00	28.20	0.00	563.42	0.00	15354.08	0.00
155+240.00	27.78	0.00	559.63	0.00	15913.71	0.00
155+260.00	27.86	0.00	556.22	0.00	16469.93	0.00
155+280.00	28.99	0.00	546.53	0.00	17016.46	0.00
155+300.00	27.09	0.00	540.75	0.00	17559.21	0.00
155+320.00	26.85	0.00	539.32	0.00	18098.54	0.00
155+340.00	23.43	0.00	502.81	0.00	18601.35	0.00
155+360.00	38.24	0.00	628.70	0.00	19228.05	0.00

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
155+380.00	61.19	0.00	1004.29	0.00	20232.34	0.00
155+400.00	62.33	0.00	1235.27	0.00	21467.62	0.00
155+420.00	54.29	0.00	1165.16	0.00	22633.80	0.00
155+440.00	50.41	0.00	1046.87	0.00	23680.78	0.00
155+460.00	58.50	0.00	1089.12	0.00	24769.89	0.00
155+480.00	64.28	0.00	1227.64	0.00	25997.52	0.00
155+500.00	62.00	0.00	1282.03	0.00	27280.15	0.00
155+520.00	54.42	0.00	1164.18	0.00	28424.33	0.00
155+540.00	58.59	0.00	929.95	0.00	29354.28	0.00
155+560.00	50.14	0.00	581.66	0.00	30020.35	0.00
155+580.00	50.14	0.00	581.66	0.00	30602.00	0.00
155+600.00	28.23	0.00	593.66	0.00	31195.66	0.00
155+620.00	33.82	0.00	620.46	0.00	31806.12	0.00
155+640.00	29.22	0.00	630.36	0.00	32436.48	0.00
155+660.00	41.46	0.00	707.07	0.00	33143.57	0.00
155+680.00	40.83	0.00	823.12	0.00	33966.68	0.00
155+700.00	40.46	0.00	812.88	0.00	34779.56	0.00
155+720.00	40.08	0.00	805.44	0.00	35584.99	0.00
155+740.00	40.18	0.00	802.75	0.00	36387.75	0.00
155+760.00	41.92	0.00	827.09	0.00	37200.84	0.00

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
155+780.00	33.39	0.00	753.09	0.00	37961.82	0.00
155+800.00	25.92	0.00	583.09	0.00	38555.01	0.00



Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
155+800.00	0.00	0.00	0.00	0.00	0.00	0.00
155+820.00	21.06	0.00	210.60	0.00	210.60	0.00
155+840.00	17.07	0.00	381.30	0.00	591.91	0.00
155+860.00	18.46	0.00	355.34	0.00	947.25	0.00
155+880.00	15.22	0.00	336.82	0.00	1284.07	0.00
155+900.00	16.52	0.00	317.36	0.00	1601.44	0.00
155+920.00	17.92	0.00	344.36	0.00	1945.79	0.00
155+940.00	20.05	0.00	379.68	0.00	2325.48	0.00
155+960.00	19.56	0.00	396.14	0.00	2721.61	0.00
155+980.00	20.08	0.00	396.45	0.00	3118.06	0.00
156+000.00	18.34	0.00	384.22	0.00	3502.28	0.00
156+020.00	19.24	0.00	375.85	0.00	3878.14	0.00
156+040.00	24.26	0.00	435.05	0.00	4313.19	0.00
156+060.00	26.71	0.00	509.72	0.00	4822.91	0.00
156+080.00	28.80	0.00	555.16	0.00	5378.06	0.00
156+100.00	26.98	0.00	557.87	0.00	5935.93	0.00
156+120.00	21.03	0.00	480.15	0.00	6416.08	0.00

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
156+120.00	16.97	0.00	0.00	0.00	0.00	0.00
156+140.00	37.28	0.00	542.48	0.00	542.48	0.00
156+160.00	44.25	0.00	815.32	0.00	1357.79	0.00
156+180.00	45.89	0.00	901.37	0.00	2259.16	0.00
156+200.00	51.38	0.00	972.64	0.00	3231.80	0.00
156+220.00	49.03	0.00	1004.10	0.00	4235.91	0.00
156+240.00	47.92	0.00	969.49	0.00	5205.40	0.00
156+260.00	46.08	0.00	939.97	0.00	6145.37	0.00
156+280.00	30.24	0.00	763.19	0.00	6908.56	0.00
156+300.00	14.09	0.00	443.26	0.00	7351.82	0.00
156+320.00	2.07	0.00	161.53	0.00	7513.35	0.00
156+340.00	13.83	0.00	159.01	0.00	7672.36	0.00
156+360.00	29.41	0.00	432.45	0.00	8104.81	0.00
156+380.00	29.74	0.00	591.46	0.00	8696.27	0.00
156+400.00	35.36	0.00	650.99	0.00	9347.25	0.00
156+420.00	39.38	0.00	747.40	0.00	10094.65	0.00
156+440.00	52.73	0.00	921.09	0.00	11015.74	0.00
156+460.00	53.08	0.00	1058.12	0.00	12073.86	0.00
156+480.00	62.14	0.00	1152.24	0.00	13226.10	0.00
156+500.00	49.46	0.00	1116.01	0.00	14342.11	0.00

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
156+520.00	50.98	0.00	1004.41	0.00	15346.52	0.00
156+540.00	66.97	0.00	1179.52	0.00	16526.04	0.00
156+560.00	28.83	0.00	957.93	0.00	17483.97	0.00
156+580.00	38.07	0.00	668.92	0.00	18152.89	0.00
156+600.00	0.00	0.00	380.67	0.00	18533.56	0.00
156+620.00	0.00	0.00	0.00	0.00	18533.56	0.00
156+640.00	0.00	0.00	0.00	0.00	18533.56	0.00

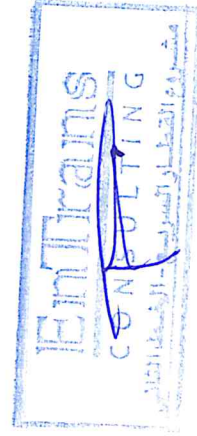
Total Volume Table						
Station	Fill Area	Out Area	Fill Volume	Out Volume	Cumulative Fill Vol	Cumulative Out Vol
156+700.00	27.05	0.00	0.00	0.00	0.00	0.00
156+720.00	28.21	0.00	552.69	0.00	552.69	0.00
156+740.00	27.76	0.00	559.71	0.00	1112.40	0.00
156+760.00	14.46	0.00	422.33	0.00	1534.73	0.00
156+780.00	7.22	0.00	218.96	0.00	1753.69	0.00
156+800.00	5.40	0.00	128.22	0.00	1877.91	0.00
156+820.00	2.49	0.04	76.94	0.37	1956.65	0.37
156+840.00	3.53	0.07	80.21	1.11	2037.06	1.49
156+860.00	2.07	0.34	56.04	4.16	2073.10	5.67
156+880.00	3.10	0.07	51.77	4.16	2124.87	9.84
156+900.00	4.38	0.00	74.66	0.74	2199.72	10.58
156+920.00	5.38	0.01	97.76	0.14	2297.48	10.72
156+940.00	4.35	0.01	97.39	0.24	2394.87	10.96
156+960.00	3.82	0.02	81.66	0.28	2476.55	11.22
156+980.00	3.06	0.00	66.10	0.16	2542.65	11.38
156+1000.00	5.14	0.29	82.27	2.91	2627.92	14.29
156+1020.00	7.20	0.19	123.39	4.83	2751.32	19.12
156+1040.00	10.21	0.00	174.10	1.92	2925.42	21.04
156+1060.00	8.07	0.00	192.78	0.00	3118.18	21.04
156+1080.00	10.03	0.00	191.02	0.01	3309.20	21.05

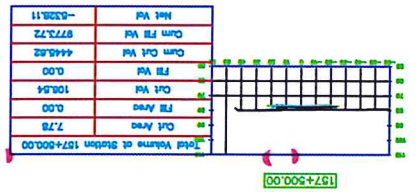
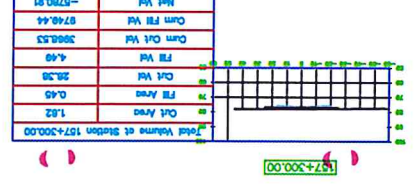
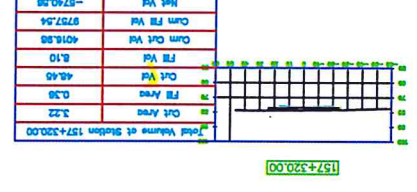
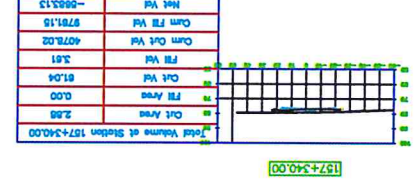
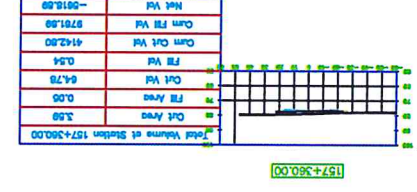
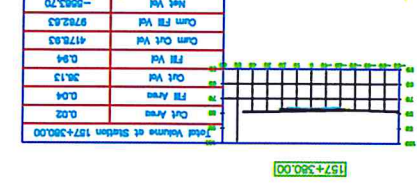
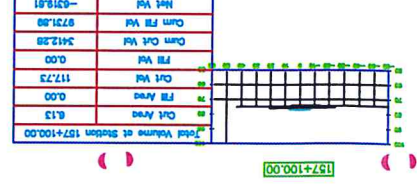
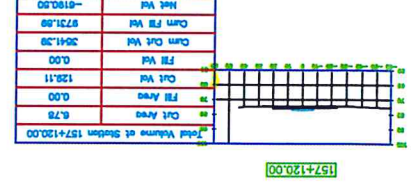
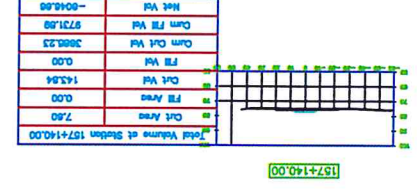
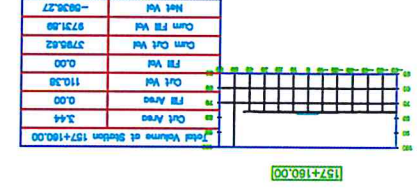
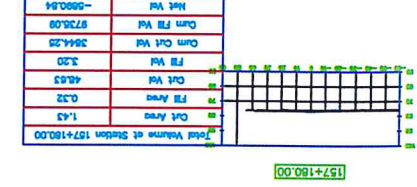
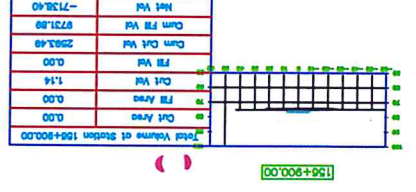
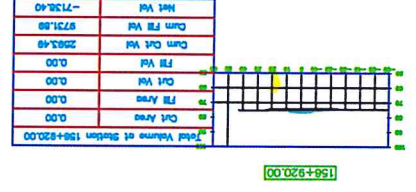
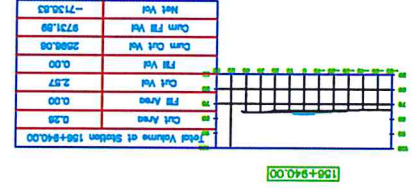
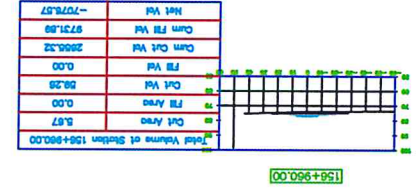
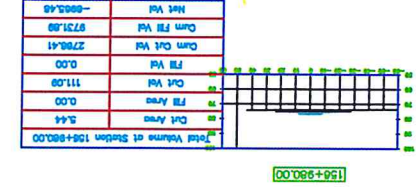
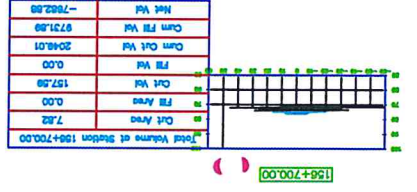
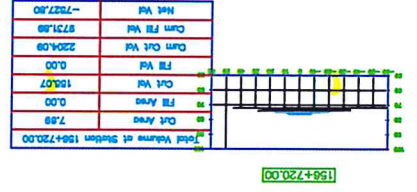
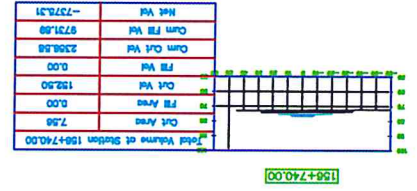
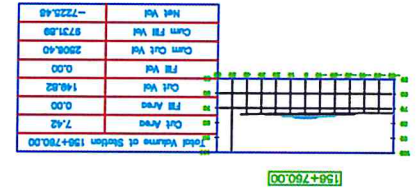
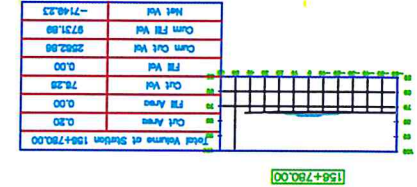
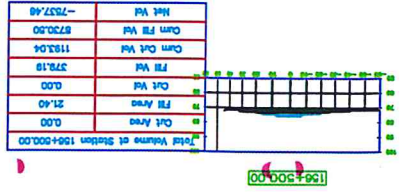
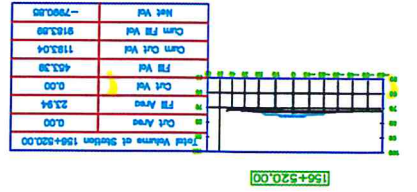
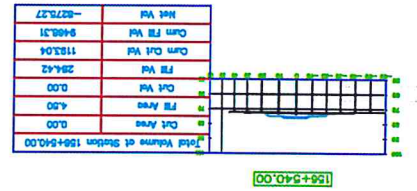
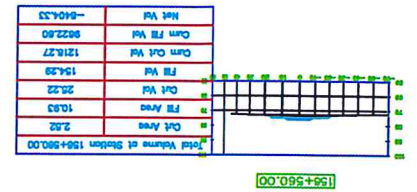
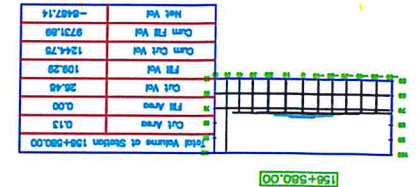
Total Volume Table						
Station	Fill Area	Out Area	Fill Volume	Out Volume	Cumulative Fill Vol	Cumulative Out Vol
156+100.00	3.25	0.00	133.83	0.01	347.03	21.05
156+120.00	14.09	0.00	174.36	0.00	3917.40	21.05
156+140.00	16.83	3.30	309.22	33.05	3926.62	54.10
156+160.00	16.07	7.65	329.03	109.51	4255.65	163.61
156+180.00	17.24	0.00	333.10	76.46	4588.75	240.07
156+200.00	15.70	0.00	326.43	0.00	4915.18	240.07
156+220.00	15.36	0.00	310.64	0.00	5225.82	240.07
156+240.00	15.41	0.00	307.73	0.00	5533.55	240.07
156+260.00	4.68	0.00	200.69	0.00	5737.24	240.07
156+280.00	2.04	8.34	66.63	63.37	5804.17	323.44
156+300.00	0.08	14.27	20.36	226.10	5824.53	548.54
156+320.00	10.30	2.41	103.75	77.13	5928.05	622.43
156+340.00	10.30	8.30	205.93	107.14	6134.98	729.56
156+360.00	8.55	0.00	188.49	63.04	6323.47	1012.60
156+380.00	15.09	0.00	236.43	0.00	6559.90	1012.60
156+400.00	24.93	5.24	400.17	52.42	6960.07	1065.02
156+420.00	24.36	3.78	492.69	90.22	7452.66	1155.24
156+440.00	24.46	0.00	498.37	37.80	7941.33	1193.04
156+460.00	16.52	0.00	409.89	0.00	8351.31	1193.04

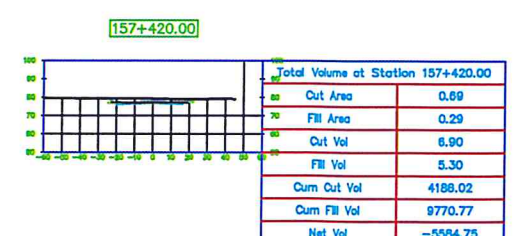
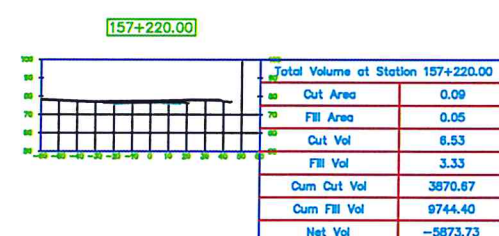
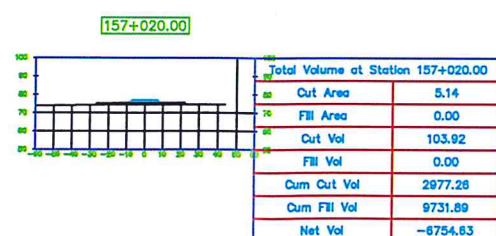
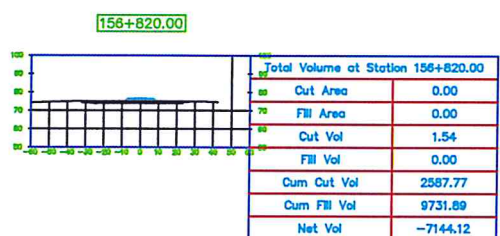
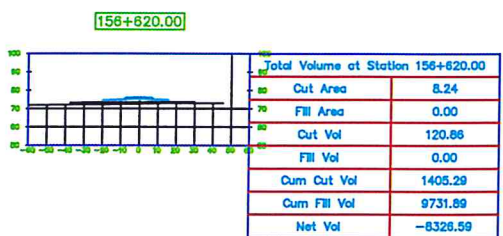
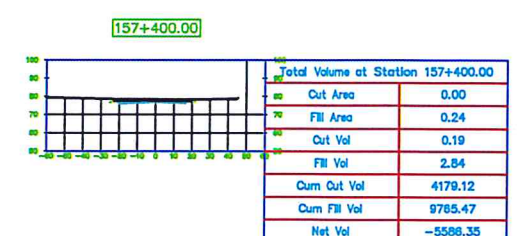
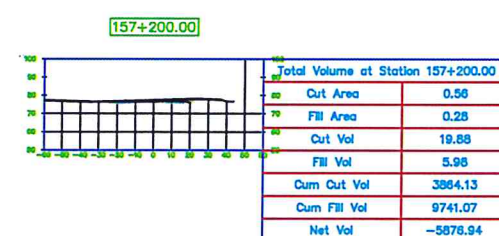
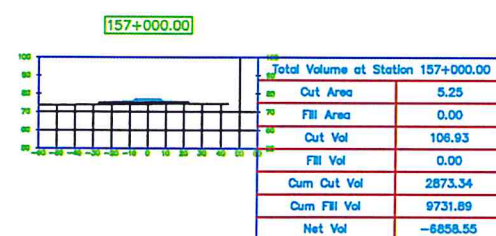
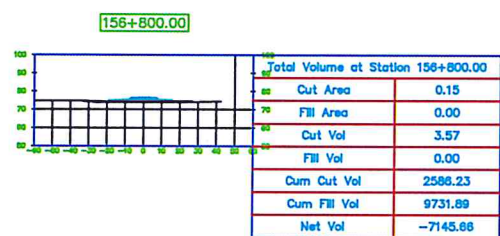
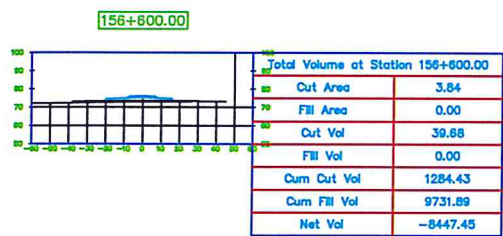
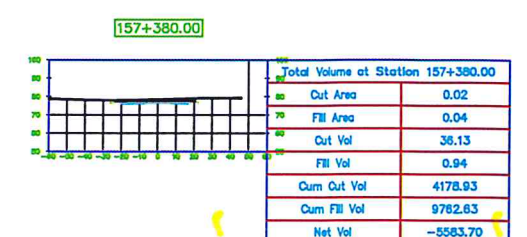
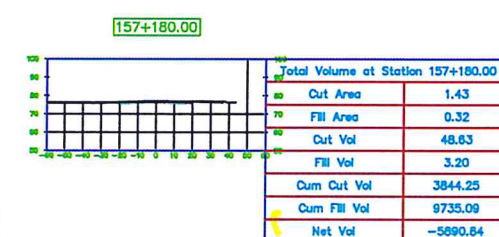
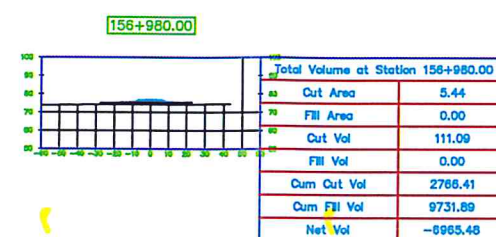
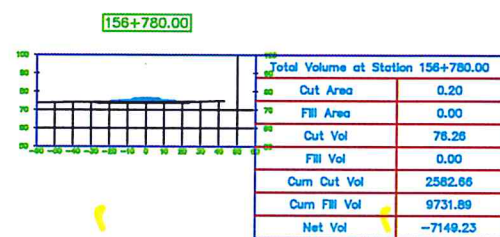
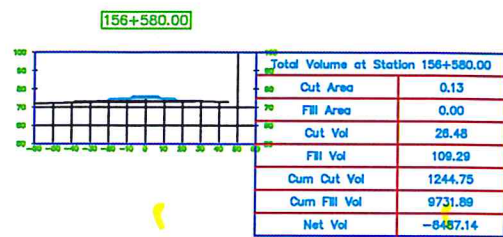
Total Volume Table						
Station	Fill Area	Out Area	Fill Volume	Out Volume	Cumulative Fill Vol	Cumulative Out Vol
156+500.00	21.40	0.00	379.9	0.00	8730.50	1193.04
156+520.00	23.94	0.00	453.39	0.00	9183.89	1193.04
156+540.00	4.50	0.00	284.42	0.00	9468.31	1193.04
156+560.00	10.83	2.52	154.28	26.22	9622.60	1219.27
156+580.00	0.00	0.13	109.28	26.48	9731.89	1245.75
156+600.00	0.00	3.84	0.00	36.68	9731.89	1282.43
156+620.00	0.00	8.24	0.00	120.86	9731.89	1403.29
156+640.00	0.00	5.16	0.00	164.01	9731.89	1567.30
156+660.00	0.00	8.06	0.00	162.13	9731.89	1731.43
156+680.00	0.00	7.94	0.00	159.99	9731.89	1891.42
156+700.00	0.00	7.82	0.00	157.59	9731.89	2049.01
156+720.00	0.00	7.69	0.00	155.07	9731.89	2204.09
156+740.00	0.00	7.56	0.00	152.50	9731.89	2356.59
156+760.00	0.00	7.42	0.00	149.82	9731.89	2506.40
156+780.00	0.00	0.20	0.00	74.26	9731.89	2580.66
156+800.00	0.00	0.15	0.00	3.57	9731.89	2584.23
156+820.00	0.00	0.00	0.00	1.54	9731.89	2585.77
156+840.00	0.00	0.00	0.00	0.00	9731.89	2585.77
156+860.00	0.00	0.17	0.00	1.72	9731.89	2587.49
156+880.00	0.00	0.11	0.00	2.86	9731.89	2590.35

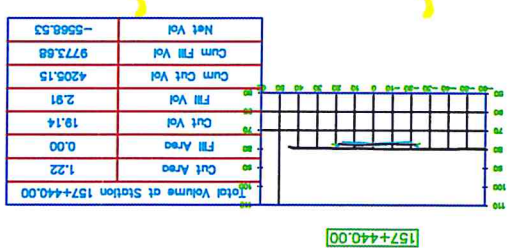
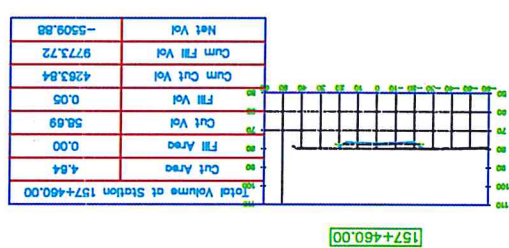
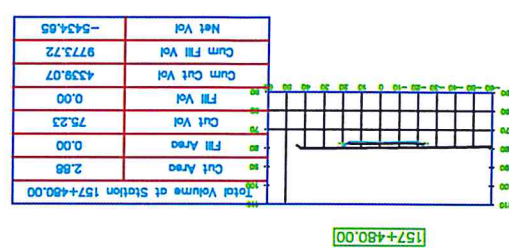
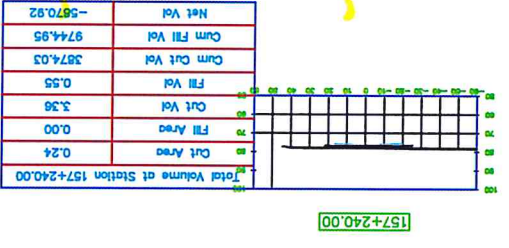
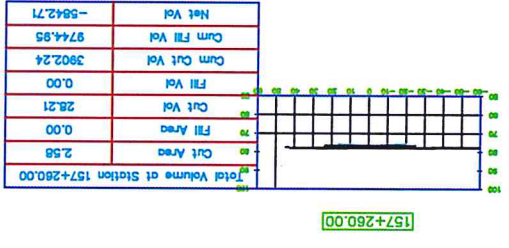
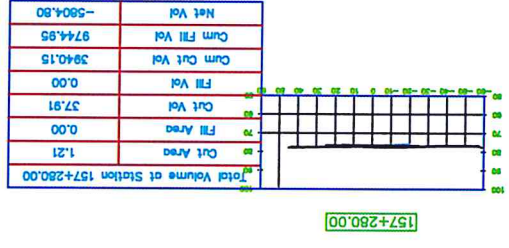
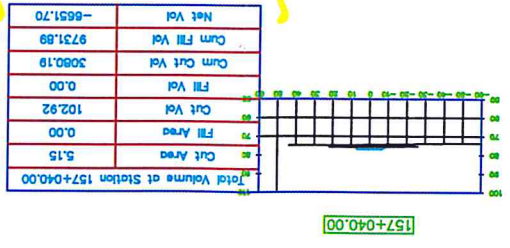
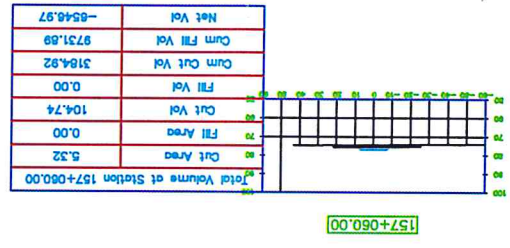
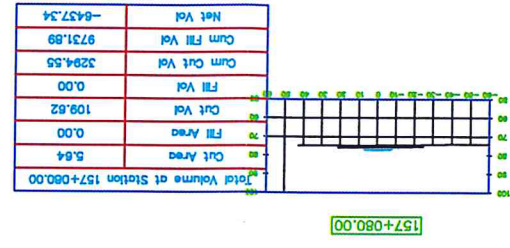
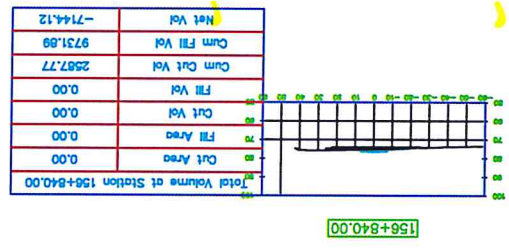
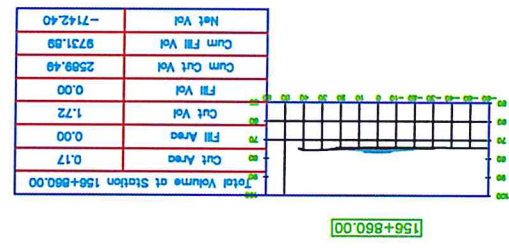
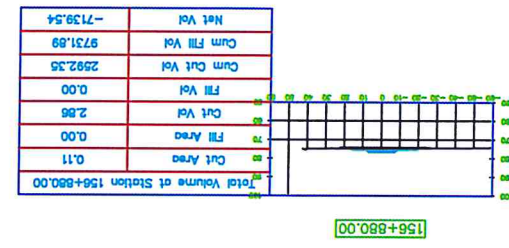
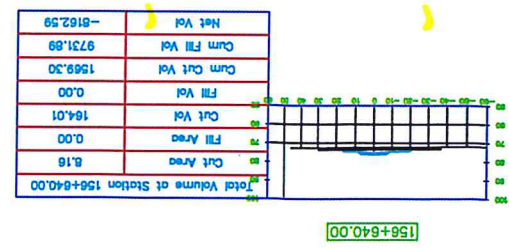
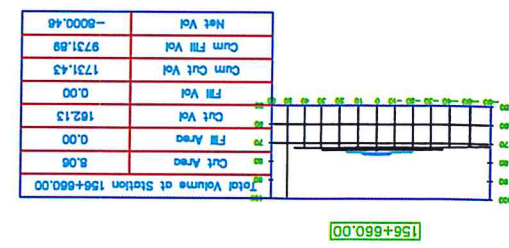
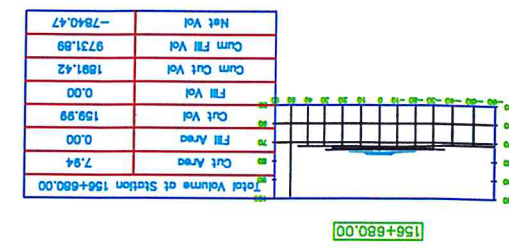
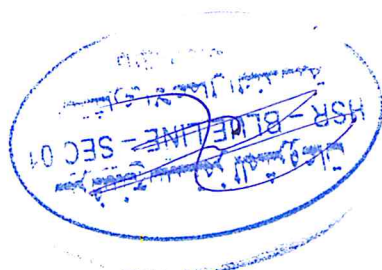
Total Volume Table						
Station	Fill Area	Out Area	Fill Volume	Out Volume	Cumulative Fill Vol	Cumulative Out Vol
156+800.00	0.00	0.00	0.00	1.14	9731.89	2593.49
156+820.00	0.00	0.00	0.00	0.00	9731.89	2593.49
156+840.00	0.00	0.26	0.00	2.57	9731.89	2596.06
156+860.00	0.00	5.87	0.00	59.26	9731.89	2655.32
156+880.00	0.00	5.44	0.00	111.08	9731.89	2766.41
157+000.00	0.00	5.25	0.00	108.83	9731.89	2873.54
157+020.00	0.00	5.14	0.00	103.92	9731.89	2977.26
157+040.00	0.00	5.15	0.00	102.92	9731.89	3080.19
157+060.00	0.00	5.32	0.00	104.74	9731.89	3184.92
157+080.00	0.00	5.64	0.00	109.62	9731.89	3294.55
157+100.00	0.00	6.13	0.00	117.73	9731.89	3412.28
157+120.00	0.00	6.78	0.00	128.11	9731.89	3540.39
157+140.00	0.00	7.60	0.00	143.84	9731.89	3684.23
157+160.00	0.00	5.44	0.00	110.59	9731.89	3794.82
157+180.00	0.32	1.43	3.20	46.63	9741.07	3841.25
157+200.00	0.28	0.96	5.98	16.89	9747.07	3858.13
157+220.00	0.05	0.09	3.33	6.53	9744.40	3870.67
157+240.00	0.00	0.24	0.95	3.36	9744.95	3874.03
157+260.00	0.00	2.58	0.00	26.21	9744.95	3900.24
157+280.00	0.00	1.21	0.00	37.91	9744.95	3938.15

Total Volume Table						
Station	Fill Area	Out Area	Fill Volume	Out Volume	Cumulative Fill Vol	Cumulative Out Vol
157+300.00	0.45	1.62	4.49	28.36	9749.44	3966.53
157+320.00	0.36	3.22	8.10	48.45	9757.54	4015.08
157+340.00	0.00	2.68	3.61	61.04	9761.15	4076.02
157+360.00	0.05	3.59	0.54	64.78	9761.69	4140.80
157+380.00	0.04	0.02	0.94	36.13	9762.63	4176.93
157+400.00	0.24	0.00	2.84	0.19	9765.47	4177.12
157+420.00	0.29	0.69	5.30	6.90	9770.77	4184.02
157+440.00	0.00	1.22	2.91	18.14	9773.68	4202.15
157+460.00	0.00	4.84	0.00	58.69	9773.72	4260.84
157+480.00	0.00	2.88	0.00	75.23	9773.72	4336.07
157+500.00	0.00	7.76	0.00	106.54	9773.72	4442.62











مشروع القطار الكهربائي السريع

إستكمال إسناد أعمال الجسر الترابي والأعمال الصناعية بقطاعات مشروع إنشاء القطار الكهربائي السريع

(أكتوبر - بنى مزار)

تنفيذ شركة المصرية للمقاولات وتجارة الحديد والاسمنت

مستخلص (2) جارى



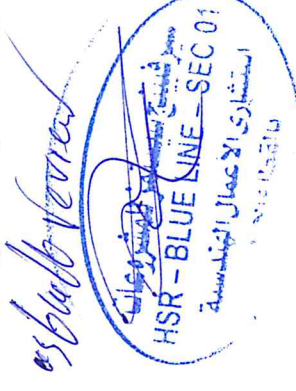
بند رقم (3-2): بالمتر المكعب اعمال حفر بالمعدات الميكانيكية لجميع انواع التربة عدا الصخرية.....الخ

From Station	To Station	CUT		As Built vol.cut	Total.Qty
		155+800	156+040	Qty(m3)	
157+140	157+500	4445			4,445.00

عن الاستشاري انترانس



عن استشاري سيرفينج سيستمز



عن الشركة



محضر استلام البونات المائية وكراتات الشركة الوطنية للطرق

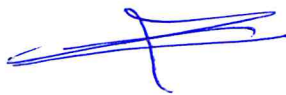
انه فى يوم 2023/12/5 تم عمل مستخلص جارى (2) للعقد رقم 2127 / 2022 / 2023 للقطاع من 154.000 الى 157.500 اتجاه الفيوم تنفيذ شركة المصرية للمقاولات وتجارة الحديد والاسمنت تم تقديم البونات المائية وكراتات الشركة الوطنية للطرق للحصر والمراجعة وذلك على كامل مسئولية الشركة المنفذة كما تم تفريغ ارقام البونات فى بيان موقع من مسئول الشركة وبيانها كالاتى:

1-(1500) بون مائى

2-(1500) كارتة الشركة الوطنية

وتم الاطلاع عليها من قبل استشارى المشروع واستلام البيان الموقع من الشركة وارجاع اصل البونات المائية وكراتات الشركة الوطنية للطرق للشركة على مسئوليتها الكاملة من صحتها وعددها وخلافه لحين اعادة تقديمها للهيئة اثناء مراجعة وعمل المستخلص الختامى للعملية وعلى ذلك تم التوقيع.

1-م/حسام عبد السلام (مدير المشروع بالشركة) 

2-م/شعبان سعيد حافظ (مدير المشروع الاستشارى) 

محضر اعتماد حصر كميات



التاريخ : 5 - 12 - 2023

اسم المشروع : مشروع القطار السريع (أكتوبر - بنى مزار)

قام مكتب سيرفينج للأعمال المساحية (استشارى الاعمال المساحية لهيئة الطرق والكبارى)

باعتماد الكميات المنفذة الخاصة بشركة المصرية للمقاولات وتجارة الحديد والاسمنت

م	من المحطة رقم	الى المحطة رقم	التصنيف	الكمية بالمتر المكعب	ملاحظات
1	155+480	155+620	اعمال التطهير	354	
2	155+420	155+620	اعمال ازالة اشجار	17 شجرة	
3	155+800	156+040	اعمال حفر التربة المفككة (سفو)	4623.78	
	157+140	157+500			
4	155+800	156+040	اعمال حفر في التماسك	402.37	
	157+140	157+500			
5	157+140	157+500	اعمال حفر في شديد التماسك	1434.48	
	155+800	157+500			
6	154+000	157+140	اعمال الردم	68894.034	
7	154+300	154+320	اعمال تشغيل ارض طبيعية	326.25	
	154+520	154+520			
	157+340	157+500			

ملاحظات :-

الكمية المدرجة بالمستخلص الاعمال حتى تاريخه.





محضر معاينه مسافة نقل اترية

انه في يوم الثلاثاء الموافق 2023\2\28 وبالإشارة الي عملية القطار السريع القطاع الاول خط (اكتوبر- اسوان) للمسافة من كم154+000 الي 157+500 بطول 3.5 كم

تنفيذ شركة المصرية للمقاولات والتجارة

اجتمعت اللجنة المشكلة من السادة الاتى اسمائهم بعد :-

1 - م | شعبان سعيد (مدير المشروع - مكتب انترانس كونستينج)

2 - م | عاطف كمال (مدير المشروع - مكتب سيرفينج سيستم)

3 - م | حسام عبدالسلام (مدير المشروع - شركة المصرية)

وقامت اللجنة بالمرور علي القطاع وقياس مسافة النقل الخاصة بتوريد الاتربة الصالحة من محجر (احمد ابو كامل) على الطبيعة

ووجد ان منتصف القطاع يبعد مسافة (15) كم عن المحجر المعتمد .

المرفقات

1 - رفع مسار المحجر من بداية القطاع الي المحجر

واقفل المحضر علي ذلك ,,,

التوقيعات

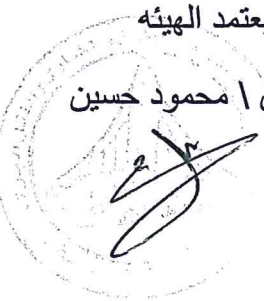
3 -

2 -

1 -

يعتمد الهيئه

مهندس | محمود حسين



مذكرة إيضاحية
للعرض على السيد المهندس / رئيس قطاع التنفيذ والمناطق

الموضوع : بخصوص مشروع " أعمال إنشاء الجسر الترابي والأعمال الصناعية للقطار السريع (أكتوبر - أبوسمبل) القطاع الأول (أكتوبر-بني مزار) قطاع من كم 154+000 إلى كم 157+500 بطول 3.5 كم (اتجاه الفيوم) بالأمر المباشر " .

- الشركة المنفذة شركة المصرية للمقاولات وتجارة الحديد والاسمنت.
- العقد رقم :- (2023/2022/2127) بتاريخ (2023/5/31).
- تاريخ استلام الموقع :- 2023/6/04
- تاريخ النھو المقرر :- 2024/2/4
- قيمة العقد الأصلي :- 20,000,000 جنيه (فقط وقدرة عشرون مليون جنيهاً لا غير).

مبررات المنطقة بتعديل مقايسة الأعمال

- ورد إلينا خطاب إستشاري القطاع الأول (مرفق) بخصوص المشروع عاليه موضح به أسباب تعديل الكميات المدرجة بالمقايسة المعدلة رقم "1" بنفس قيمة أمر الإسناد حيث أفاد بوجود اختلاف بين الكميات المنفذة على الطبيعة بالموقع والكميات المدرجة بالمقايسة المجددة للعقد المذكور عالية وبناءاً عليه تم تعديل الكميات المدرجة بالمقايسة المعدلة.

الرأي

ترى المنطقة الموافقة على تعديل الكميات طبقاً لما ورد من إستشاري المشروع.
برجاء التكرم بالعلم والإحاطة.

والأمر مفوض لسيادتكم.

وتفضلوا بقبول فائق الإحترام،،،،،

رئيس الإدارة المركزية
للمنطقة السادسة بني سويف

مهندس /
طارق يوسف الجزار

مرفقات (1)





مقايضة معدلة



أعمال إنشاء الجسر الترابي للقطار الكهربائي السريع (أكتوبر / أوسمبل)

القطاع الاول (أكتوبر / بني مزار) من محطة 154+000 حتى محطة 157+500 بطول 3.5 كم (اتجاه الفيوم)

تنفيذ شركة / شركة المصرية للمقاولات وتجارة الحديد والاسمنت

رقم البند	بيان الأعمال	الوحدة	الكمية	سعر الفئة	الاجمالي
1	اعمال الابالة والتطهير				
1-1	بالمتر المسطح أعمال تطهير الموقع من الأشجار والمزروعات والمخلفات في مناطق الدلتا ذات الطبيعة الزراعية الكثيفة بعمق حتى 30 سم و التخلص منها بالمقالب العمومية تمهيداً لأعمال الرقع المساحي لكامل حدود المشروع طبقاً للشروط والمواصفات وتعليمات المهندس المشرف. مسافة النقل حتى 500 متر و يتم احتساب علاوة 0.3 جنيه لكل 1 كم	م2	5,000	6.00	30,000
2-1	العد ازالة اشجار من مسار الطريق والتخلص منها على الا يقل قطر الشجرة عن 30 سم وإزالة الجذور بالكامل ونقلها خارج الموقع طبقاً لتعليمات مهندس المشرف	العدد	250	75.00	18,750
2	اعمال الحفر				
1-2	بالمتر المكعب اعمال حفر باستخدام المعدات الميكانيكية لجميع أنواع التربة عدا التربة الصخرية وتسوية السطح بآلات التسوية والرش بالمياه الأصولية للوصول الى نسبة الرطوبة المطلوبة والدمك الجيد بالهراسات للوصول الى أقصى كثافة جافه (95% من الكثافة الجافة القصوى) ومحمل على البند تحميل ونقل الأتربة الزائدة لمسافة 500 متر من محور الطريق ويتم التنفيذ طبقاً للمناسيب التصميمية والقطاعات العرضية النموذجية والرسومات التفصيلية المعتمدة والبند بجميع مشتلاته طبقاً لأصول الصناعة ومواصفات الهيئة العامة للطرق والكبارى وتعليمات المهندس المشرف. وفي حالة زيادة مسافة نقل ناتج الحفر عن 500 متر من محور الطريق يتم حساب 1 جنيه للكيلومتر زياده.		8,200	23.00	188,600
2-2	بالمتر المكعب اعمال حفر باستخدام المعدات الميكانيكية في التربة المتماسكة عدا التربة الصخرية (باستخدام البلدوزر) وتسوية السطح بآلات التسوية والرش بالمياه الأصولية للوصول الى نسبة الرطوبة المطلوبة والدمك الجيد بالهراسات للوصول الى أقصى كثافة جافه (95% من الكثافة الجافة القصوى) ومحمل على البند تحميل ونقل الأتربة الزائدة لمسافة 500 متر من محور الطريق ويتم التنفيذ طبقاً للمناسيب التصميمية والقطاعات العرضية النموذجية والرسومات التفصيلية المعتمدة والبند بجميع مشتلاته طبقاً لأصول الصناعة ومواصفات الهيئة العامة للطرق والكبارى وتعليمات المهندس المشرف. وفي حالة زيادة مسافة نقل ناتج الحفر عن 500 متر من محور الطريق يتم حساب 1 جنيه للكيلومتر زياده.	م3	6,000	26.00	156,000
3-2	بالمتر المكعب اعمال حفر باستخدام المعدات الميكانيكية في التربة شديدة التماسك (طفلة متحجرة او). عدا التربة الصخرية (باستخدام البلدوزر) وتسوية السطح بآلات التسوية والرش بالمياه الأصولية للوصول الى نسبة الرطوبة المطلوبة والدمك الجيد بالهراسات للوصول الى أقصى كثافة جافه (95% من الكثافة الجافة القصوى) ومحمل على البند تحميل ونقل الأتربة الزائدة لمسافة 500 متر من محور الطريق ويتم التنفيذ طبقاً للمناسيب التصميمية والقطاعات العرضية النموذجية والرسومات التفصيلية المعتمدة والبند بجميع مشتلاته طبقاً لأصول الصناعة ومواصفات الهيئة العامة للطرق والكبارى وتعليمات المهندس المشرف.	م3	20,000	31.50	630,000
	يتم تحديد نوع التربة طبقاً لمعدلات التنفيذ باستخدام البلدوزر والتي تحدد بمعرفة المنطقة المشرفة والاستشارى				

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مقايضة معدلة



أعمال إنشاء الجسر الترابي للقطار الكهربائي السريع (أكتوبر / أوسمبل)

القطاع الاول (أكتوبر / بنى مزار) من محطة 154+000 حتى محطة 157+500 بطول 3.5 كم (اتجاه الفيوم)

تنفيذ شركة / شركة المصرية للمقاولات وتجارة الحديد والاسمنت

رقم البند	بيان الأعمال	الوحدة	الكمية	سعر الفئة	الإجمالي
3	إعمال الردم Embankment				
1-3	أعمال تحميل وتوريد ونقل أتربة مطابقة للمواصفات وتشغيلها باستخدام آلات التسوية بسمك لا يزيد عن 50 سم حتى منسوب (-2 متر) أسفل منسوب القرمه و بسمك لا يزيد عن 25 سم اعلي من منسوب (-2 متر) من منسوب القرمه لاستكمال المنسوب التصميمي لتشكيل الجسر والأكتاف (نسبة تحمل كاليفورنيا حتى 20%) ورشها بالمياه الأصولية للوصول إلى نسبة الرطوبة المطلوبة والذمك الجيد بالهراسات للوصول إلى أقصى كثافة جافة (95% من الكثافة الجافة القصوى) ويتم التنفيذ طبقاً للمناسيب التصميمية والقطاعات العرضية النموذجية والرسومات التفصيلية المعتمدة والبند بجميع محتلاته طبقاً لأصول الصناعة ومواصفات الهيئة العامة للطرق والكبارى وتعليمات المهندس المشرف. - فى حالة طلب جهاز الإشراف زيادة نسبة الذمك عن 95% بحسب زيادة 1 جنيه على زيادة نسبة الذمك لكل 1%. - مسافة النقل حتى 2 كم و يتم احتساب علاوة 1.4 جنيه لكل كم بالزيادة او النقصان وتصيح 1.5 جنيه / كم ابتداء من 4-5-2023 - السعر يشمل عمل تشوينات و تخليط و اختبارات و نقل لموقع العمل حتى مسافة 2 كم ، و البند لا يشمل القيمة المحجيرة.	3م	151,755	60.00	9,105,300
	السعر لا يشمل قيمة المواد المحجيرة				
	مسافة النقل 13 كم قبل 4-5-2023	3م	55,000	18.20	1,001,000
	مسافة النقل 13 كم بعد 4-5-2023	3م	71,500	19.50	1,394,250
	كارتة توريد الأتربة	3م	126,500	13.00	1,644,500
	قيمة المواد المحجيرة للأتربة بالإضافة إلى نسبة الذمك 25 % + 12 % استقطاعات	3م	126,500	44.80	5,667,200
	علاوة زيادة السؤلر 1.6 جنيه / 3م بعد 4-5-2023	3م	84,000	1.60	134,400
4	بالمتر المسطح اعمال تشغيل ارض طبيعية بسمك 25 سم فى حالة ان المنسوب التصميمي يتطلب عمق الحفر او الردم + 50 سم من منسوب الأرض الطبيعية لمسافة لا تقل عن 100 متر وهذا البند يشمل جميع الاختبارات اللازمة للتأكد من صلاحية الأرض الطبيعية وتسليمها وذلك طبقاً لتعليمات الاستشارى	2م	5,000	6.00	30,000
	الأجمالي فقط (عشرون مليون جنيه لا غير)				20,000,000

يتم صرف الكارتة فى حالة تقديم ما يثبت طبقاً للقائمة الموحدة 2023 على ان يتم تسديدها بمعرفة الشركة

علاوة عمق الحفر وعمق الردم 1 جنيه / 3م وذلك بعد اول 8 م راسي من منسوب الأرض الطبيعية فى بنود الحفر والردم وتحسب العلاوة 1.5 جنيه / 3م وذلك بعد 30 م حتى 50 م من منسوب الأرض الطبيعية

تم تحليل الاسعار مع مراعاة ظروف التشغيل والاختبارات وطبيعة وموقع المشروع

يتم مراعاة زيادة اسعار الاسمنت (2000 جنيه / طن) واسعار الإضافات (فاير + سبكا + الفواصل) فى تاريخ المفاوضة يونيو 2023 وارتفاع السؤلر فى (4-5-2023) وارتفاع البيوتيم فى (4-5-2023) فى بند الحماية والقنمات رقم 16-17 والتعويضات بتطبيق نسب يناير 2023

تم احتساب التعويضات لجميع البنود طبقاً للنسب المعتمدة من مجلس الوزراء وذلك لشهر يناير 2023 وذلك نظراً لارتفاع اسعار قطع الغيار

سعر بنود الأتربة والاساس غير شاملة المواد المحجيرة

سعر بنود الأتربة والاساس يشمل توريد الأتربة فى مشون والتخليط ثم اعادة التحميل والنقل للقطاع وتم احتساب البند لمسافة نقل المياه 40 كم

لا يتم المحاسبة على بند تشغيل الأرض الطبيعية الا فى الحالة المذكورة فى توصيف البند وذلك طبقاً لفرق المنسوب التصميمي لطبقة الحفر او الردم عن الأرض الطبيعية ويعتبر تحديد المسافات التى ينطبق عليها توصيف البند مسؤولية الاستشارى ومهندس الاشراف (الهيئة)

فى حالة تقديم ما يثبت دفع رسوم للمواد المحجيرة يتم صرف طبقاً للبروتوكول

مهندس الشركة المنفذة

مهندس المشروع (الاستشارى)

مهندس الشركة المنفذة

م / مصطفى شعبان

م / محمود حسين

م / مصطفى شعبان

رئيس الادارة المركزية

المطقة السادسة - بنى سويف

مهندس / طارق يوسف الجزار

