

Site Visit Report Form

FTR #266 HSE

A. BASIC DATA

(Trigon staff shall complete this field trip report within 48 hours after returning from the field and ensure that it is sent properly distributed within 72 hours after leaving the construction site)

Program (JSEP or SKEP): SKEP PHASE: ||| PACKAGE: |

School Name: Al Khansa' Basic Mixed School

Supervisory Engineer (SE) Name: Wahib Madanat Consultant Engineers

Construction Contractor (CC) Name: Derar Saraireh & Sons for Engineering and Contracting

Date and Time of Field Trip: March 10, 2021 – 10:15 AM

Date of Report:March 13, 2021Weather During Visit:Sunny - 24°

Report Submitted By: "Odai Tawalbeh" and "Adnan Cobein"

PURPOSE OF VISIT

General Site Inspection (Quality)
Corrective Action (CA)
Heath & Safety (H&S)

Site Meeting

Substantial Completion Inspection

Handover (First Inspection)

Review Report Second Final Inspection

OTHER (list below)

PERSONNEL ON TRIP

No.	Name	Title	Agency
- 1	Odai Tawalbeh	HSE Engineer	Trigon Jordan (CMTO)
2	Adnan Cobein	Intern Civil Engineer	Trigon Jordan (CMTO)

PERSONNEL AT SITE (if a site meeting or a final inspection, use attachment to list other participants)

No.	Name	Title	Agency		
I	Mahmoud Maghnam	Resident Engineer (RE)	Wahib Medanat Consultant		
2	Qais Malkawi	Site Engineer (SE)	Wahib Medanat Consultant		
3	Abdullah Al-Zoubi	Safety Manager	Wahib Medanat Consultant		
4	Maram Abu Awwad	Fresh Grad. Engineer	Wahib Medanat Consultant		
5	Rami Alhaj-Mohammad	Site Engineer (SE)	Derar Saraireh & Sons Co.		
6	Anas Emran	Safety Manager	Derar Saraireh & Sons Co.		
7	Netham Al-Tarawneh	Safety Officer	Derar Saraireh & Sons Co.		
8	Mohammad Abu Laila	Foreman	Derar Saraireh & Sons Co.		



B. QUALITY, SCHEDULE AND H&S FINDINGS CHECKLIST

(For any "No" answer in this section, the Observer shall provide a narrative explanation in Section C. of this Report including corrective action requested) **NA-Not Applicable, DC-Didn't Check**

			Construction	Supervisory
			Contractor	Engineer
A.	SITE DO	CUMENTATION		
	1.	Drawings and Specifications on site? (Y/N)	Y	Y
	2.	CC Safety Plan on site? (Y/N)	Y	Y
	3.	CC QC Plan on site? (Y/N)	Y	Y
	4.	Shop Drawings up to date? (Y/N)	Y	Y
	5.	Request for Information/Inspection up to date? (Y/N)	Y	Y
	6.	Sampling and Testing Tracking Log? (Y/N)	Y	Y
	7.	Hard copy files neat and up to date? (Y/N)	Y	Y
	8.	Inspector's Daily Journal up to date? (Y/N)	Y	Y
	9.	Non-Conformance Report up to date? (Y/N)	Y	Y
В.	SCHEDU	JLE .		
	10	. SE has up to date CC Schedule on site? (Y/N)		Υ
	П	. CC has up to date CC Schedule on site? (Y/N)	Υ	
C.	EXIT OF	SERVATIONS		
	13	What time does CC start work each morning on average.What time does CC stop work each day on average?What is the average # of hours worked each day?	4:00 p	

C. DESCRIPTION OF FINDINGS

(State if fact or opinion. Use attachments, maps, sketches if necessary)

A. SITE DOCUMENTATION

Documents for both CC and SE are neat and up to date on site.

B. **HEALTH, SAFETY & ENVIRONMENT**

- I. At the time of site walkthrough, the CMTO team observed specific safety violations including, but not limited to, the following:
 - Construction worker jumping on an unsafe scaffolding without harness in an extremely scary condition. Meanwhile, both CC and SE said: "this scaffold is out of service and going to be dismantled!";
 - Failure to provide the necessary support systems (such as shoring) for deep excavation walls on site to prevent collapse and movement of soil and foundations;
 - Poor temporary electrical connections ;
 - Substandard Edge Protection;
 - Damage to the Sheaves on the Mobile Crane, grooves must be smooth and free from surface defects which could cause rope damage;



- Materials and equipment have been stored at the edge of steep slope in an extremely scary condition; and
- Poor housekeeping standards, nails have not been removed from lumbers that already stored on site as well as the grinding wheels have been left on the ground in an unsafe condition.
- 2. For more information about HSE status at the site, please see the attached Trigon HSE Field Trip Report later in this form.
- 3. For more information about Contractor's compliance with the COVID-19 MOL Measures, please see the attached JSEP and SKEP H&S Activities According to the Ministry of Labor (MOL) Working Procedures for Safety (Construction Projects) later in this form.

C. GENERAL QUALITY OBSERVATIONS

D. **SCHEDULE**

- 1. Foundation works and Tie-beams works are ongoing in Zone A;
- 2. Excavation works is ongoing;
- 3. Actual physical progress is at 16% while the planned progress is 17% according to the SE site team; and
- 4. The average number of labors working daily on site in the past week is 40.

E. STATUS OF UTILITY CONNECTIONS / OTHER OUSTANDING ISSUE

I. Water Supply: Not Connected

2. Wastewater: Not Connected

3. **Electricty**: Not Connected

4. Other Issues: Water provided to workforce does not meet occupational health requirements on site. No water cooler is provided, workers drink directly from bottles which may increase their chances of COVID-19 exposure.

ATTACHMENTS - as marked below

- I. QUALITY CHECKLIST
- 2. MEETINGS / INSPECTION MINUTES
- 3. HEALTH & SAFETY ATTACHMENT



E. PHOTOS

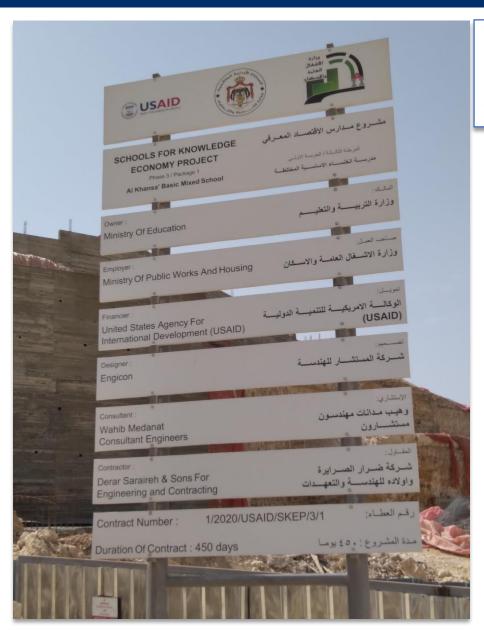


Figure #1: Project ID Sign Board on site.

Figure 1: Project ID Sign Board





Figure #2: The project consists of 23 classrooms and four KGs from KG2 to 10th grades and will host 928 students. With an internal area of 6600 sqm, and an external area of 3800 sqm.

Photos Credit: Adnan Cobein March 10th, 2021

Figure 2: Overview of the Ongoing Works in the Project



Figure 3: Construction Site Security Guard

Figure #3:

Construction Site
Security Guard on site.





Figure #4: Adequate Hygiene stations were secured in the workplace at the entrances and exits.

Photos Credit: Adnan Cobein March 10th, 2021

Figure 4: Compliance With COVID-19 MOL Measures



Figure #5: Safety
Mushroom Caps were
provided, but sporadic
throughout the site.
It's recommended to
guard all Protruding
Steel Reinforcement
Bars with these caps at
all project sites to
prevent Impalement.

Figure 5: Steel Reinforcement Bars





Figure #6: The damaged Temporary Site Fencing must be promptly repaired along site perimeter, and the assigned Contractor must ensure that all Site Excavations are properly protected against Collapse.

Photos Credit: Adnan Cobein March 10th, 2021

Figure 6: Site Fencing



Figure #7: The assigned Contractor must ensure that all Site Excavations are properly protected against Collapse and Soil Sliding.

Figure 7: Site Excavations





Figure #8: Failure to provide the necessary support systems (such as Shoring) for Deep Excavation Walls on site to prevent Collapse and Movement of Soil and Foundations.

Photos Credit: Adnan Cobein March 10th, 2021

Figure 8: Deep Excavation Walls



Figure #9: Handrails and Mid-rails were provided for the onsite Scaffolds, and Scaffold Platforms were Fully Planked.

Figure 9: Scaffolding Safety





Figure #10: Access Ramps for Deep Excavations must be properly secured to prevent Falling Hazards, and Shoring Required.

Photo Credit: Adnan Cobein March 10th, 2021

Figure 10: Site Excavations and Access Ramps



Excavations with Falling Object Hazards.

Figure #11: Deep

Figure 11: Falling Object Hazards





Figure #12: An unsafe Control Panel of the Rebar Bending Machine that were observed in the Rebar Shop on site.

Photo Credit: Adnan Cobein March 10th, 2021

Figure 12: Unsafe Control Panel for Rebar Bending Machine



Figure #13: Damage to the Sheaves on the Mobile Crane, grooves must be smooth and free from surface defects which could cause rope damage.

Figure 13: Mobile Crane Inspection – Sheaves





Figure #14: Poor Housekeeping Standards, Grinding Wheels left on the ground in an unsafe condition.

Photo Credit: Adnan Cobein March 10th, 2021

Figure 14: Housekeeping Standards

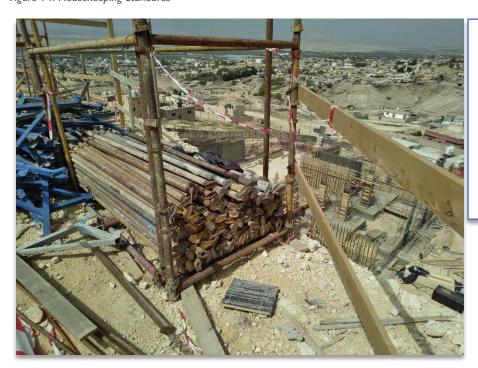


Figure #15: Improper Material Storage, some Scaffolding components were improperly stored at the edge of steep Slope in an extremely scary condition.

Figure 15: Material Storage





Figure #16: Failure to provide workers with Gloves on site, It's the Contractor responsibility to make sure that all site personnel have been provided with proper PPE for the task including Gloves. Immediate Action Required.

Photo Credit: Adnan Cobein March 10th, 2021

Figure 16: Mandatory Safety Requirements – PPE



Figure 17: Edge Protection

Figure #17: Substandard Edge Protection, the Contractor using Steel Reinforcement Bars as Handrail System. Temporary LeadingEdge Protection System Required.



Trigon HSE Field Trip Report Attachment								
Date and Time of Field Trip: 3/10/2021 10:15								
		asic Mixed School						
		ah District, Al-Balqa Governorate						
Program / Phase / Package:								
Prepared by:	Odai Tawalb	eh and Adnan Cobein						
JSEP/SKEP PROJECT HS RQMT	S U N/	A.	GENERAL COMMENTS					
Contractors HSE Plan	S							
Risk Assessment (RA)	S							
Toilets, Washing Facilities	S							
Potable Water	U	Water provided to workforce does not meet occupational health requirements on site. No wa	ter cooler is provided, workers drink directly from bottles.					
Training, Competency	U	HSE training records were last updated in January 2021.						
First Aid Box, Medical Attention	S							
Emergency Contact Numbers	S							
Fire Extinguishers	S							
Assembly Point	S							
Evacuation Plan	S							
Recordkeeping, Reporting	S							
Storage Area	S							
Track Waste, Recycling	S							
Permit To Work (PTW)	N/A	4						
COVID-19 MOL Measures	S	REMEMBER: Preventing gatherings of workers for whatever reasons.						
HSE Awareness	S							
Site Supervisor	S							
Site Management	S		<u>'</u>	<u> </u>	<u>'</u>			
S = SATISFACTORY		N/A = NOT APPLIACABLE		U = UNSATISFACTORY	CA,			

S = SATISFACTORY NIA = NOT APPLIACABLE		U = UNSATISFACTORY							
Task / Activity	Obs	erve. Date	sc	Findings	Recommendations	CA, Follow-up	Date	sc	Current Status
H&S Regulations	Y N	I N/A				Y N N/A			
Site Security	Y	1/25/2021	5	The construction site has been secured with temporary fencing for protection of equipment and site personnel. However, part of the fence was damaged as a result of collapsing soil & rocks near it on site.	The damaged temporary fencing that were noted on this inspection should be promptly repaired, and the assigned Contractor must ensure that the site excavations are properly secured to prevent collapse.	N	3/10/2021	5	OPEN
HSE Signage	Υ	1/25/2021	4	Poor construction site safety signs.	Having the proper signage in your construction site can significantly reduce accidents. Proper safety signs (including speed limit signs) should be installed along the road leading to the site so as to inform workers, visitors and local residents of the surrounding hazards. In addition, all safety signs should be written in a language that everyone understands.	Y	3/10/2021	6	ONGOING
Excavation, Backfilling	Y	1/25/2021	3	The project is located in A Mountain Region and there are many risks associated with collapsing soil and rocke, in addition to the insufficient warning signs of deep excavations and the ineffectiveness of the existing barriers in controlling risks on site.	We've already recommended both Construction Contractor and Supervisory Engineer to take some urgent Engineering Controls that could reduce the risk associated with the collapse of soil & rocks as much as possible by installing an additional temporary barriers along the site offices to ioslate them from surrounding hazards. The immediate corrective action had been taken from the Contractor side. However, the assigned Contractor sill needs to submit a Method statement and Risk Assessments and Engineering Contractor stores to the Supervisory Engineer for approval as well as to provide the site with an effective temporary railing system & proper warning signs along the deep excavations on site. Moreover, a suitably qualified persons (for example, experienced geotechnical and civil engineers) must be engaged to assess ground conditions and determine the appropriate shoring system for the site (if required) according to Soil Test Result.	z	3/10/2021	3	OPEN
Scaffolding, Temporary Works	Υ	1/25/2021	3	A water tank was observed on an unsafe scaffold on site.	All scaffolds on site should be provided with handrails for side protection, and each scaffold should be erected on a level ground.	Υ	3/10/2021	4	ONGOING
Ladders, Stepladders	N	1/25/2021	7				3/10/2021	5	
Electrical	Y	1/25/2021		The roof of temporary electrical room was not properly protected from the rain, it will be a real hazard if rainstorm hit the site.	This item must be promptly addressed by the responsible party.	Y	3/10/2021	7	CLOSED
Working At Height		N/A 1/25/2021					3/10/2021	5	
Lifting Ops. Hand Tools, Powered Tools, Heavy Powered Equip.	Υ	N/A 1/25/2021		An excavator was observed at the edge of an unbelievable slope in an extremely scary conditions; Gravel road for site equipment and vehicles with no any means of barriers and warning signs; and No ongoing maintenance program for tools and equipment on site.	The Excavator has been moved out of place. However, an effective training on safe work practices should be provided to all heavy equipment operators on site to prevent the recurrence of such unsafe conditions. Moreover, the assigned Contractor must. (J) Provides safe access for heavy equipment and weblices on site; (2) Implement an ongoing maintenance program for all tools and equipment; (3) Keep maintenance and repair logs; (4) Install adequate onsite signs, lights, and devices; and (5) Train heavy equipment operators in proper operating procedures. REMEMBER Working with tools and heavy equipment is a major hazard on site. Injuries can result from equipment hitting or running over personnel so, effective safety measures are required.	Y	3/10/2021	5	ONGOING



r	1/25/2021	3	Poor public protection at the site.	Immediate action to enhance site safety must be taken.	N		3/10/2021	3	OPEN
,	1/25/2021		A protruding steel reinforcement bars were observed on site.	All protruding steel reinforcement bars must be provided with safety mushroom caps to prevent impalement.	Y		3/10/2021	5	ONGOING
N	1/25/2021	7					3/10/2021	7	
N	1/25/2021	7					3/10/2021	7	
N	1/25/2021	7					3/10/2021	5	
N	1/25/2021	7					3/10/2021	3	
r	1/25/2021		Unstable temporary Contractor office trailers were observed on site.	Unstable objects (rocks, blocks, etc.) should not be used to support temporary office trailers on site.	Υ		3/10/2021	7	CLOSED
	1/25/2021	-			+++		2/10/2021	_	
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IN	1/23/2021	-/		* · · · · · · · · · · · · · · · · · · ·	-		3/10/2021	-	
r	1/25/2021	5			Υ		3/10/2021	6	ONGOING
N	1/25/2021	7					3/10/2021	7	
_		7				\vdash		7	
r	1/25/2021	5	reduce the risk of hearing loss due to excessive noise. As a result, this can		Υ		3/10/2021	7	CLOSED
r	1/25/2021	5	them developing health complications as a result of poor air quality due to s pollution. For local residents nearby to the site, they may also experience the effects of air pollution due to construction activities and may then	spreading; and (2) Ensure all employees wear appropriate PPE, such as the correct type of respiratory protective	Υ		3/10/2021	6	ONGOING
N	1/25/2021	7			+		3/10/2021	5	
_		7			+			7	
•	1/25/2021	5	8	Contractor and Supervisory Engineer (e.g., water sprays for dust control, proof of proper disposal, receipts from government approved dump sites, needs to be available on site for review, construction debris and waste disposa can be streamlined by the use of materials that are quickly and efficiently recycled to the extent possible, no	Y		3/10/2021	6	ONGOING
	Total Environ. %	61%			\vdash	ш	Total CA 9	649	
		01/0	NEEDS IMPROV.		1				EDS IMPROV.
	N N N N N N N N N N N N N N N N N N N	N 1/25/2021 N 1/25/2021 N 1/25/2021 N 1/25/2021 N 1/25/2021 Total H&S % Action Status N 1/25/2021 N 1/25/2021	N 1/25/2021 7 N 1/25/2021 5 N 1/25/2021 5 N 1/25/2021 5 N 1/25/2021 7 N 1/25/2021 5 N 1/25/2021 7 N 1/25/2021 7 N 1/25/2021 5 N 1/25/2021 7 N 1/25/2021 5 N 1/25/2021 5 N 1/25/2021 7 N 1/25/2021 5 N	N	N 1757001 7	N 125-2021 7 N 125-2021 8 N N N N N N N N N	N 125-2021 7 1 125-2021 7 1 125-2021 7 1 1 1 1 1 1 1 1 1	No. 1/55/201 7	No. 1/25/2012 7 3 3 3 3 3 3 3 3 3

	70% > NEEDS IMPROVEMENT >= 50%	AT RISK < 50%				
		LEGEND				
L	Low Risk	Manage by routine procedure				
м	Medium Risk	Needs Improvements				
	High Risk	Immediate action require				

Disclaimer: Trigon field trip reports include information and findings based upon those parts of the construction sites we visit. Our visits and our contract scope of work do not include Trigon to carry out first tier Quality Control/Assurance, i.e., reviewing submittable, drawings and specifications, reviewing contract compliance, or in any way carrying out close supervision of the works. Therefore our field-trip reports include cursory quality, health & safety and schedule information and its entry on our reports is intended to provide the reader only with a sense of our general observations of that part of the job site we have visited.

• The total percentage of CA for Environment equals 64% indicating that the Action Status of Environmental still "NEEDS IMPROVEMENT".

COMPLIANT >= 70%

JSEP and SKEP H&S Activities According to the Ministry of Labor (MOL) Working Procedures for Safety (Construction Projects)

#	Div. #	MOL Safety Measure / Procedure / Non MOL activity in Blue	Y/N	Comments
Α		First A: Job sites		
I	I	The work on the sites should limited to the basic construction works of the project and with minimal manpower;	Y	
2	2	Commitment to apply work procedures for the applicable safety and preventive measures to reduce the spread of the Corona virus, Directory No. 9 for industrial enterprises chapter issued by the Ministry of Labor excludes Chapter Six (housing buildings residence and tenth) (kitchen and catering market);	Υ	
3	3	All office work is done remotely using technical means;	Υ	
4	4	Site offices are used only by necessity and by a limited number of persons;	Y	
5	5	A daily work program is presented by the contractor explaining the daily work list of the labor that is required to exist (and to a minimum), including the places of residence phone numbers and mode of transportation;	Υ	
6	6	Publications on prevention and control of the spread of the Coronavirus are distributed in all project facilities;	Y	
7	7	Personal Protective Equipment (PPE) is secured for all on site structural by risk type;	Y	
8	8	Adequate disinfection stations are secured in the workplace at the entrances and exits;	Υ	
9	9	Work sites and facilities designated for employment are cleaned on a daily basis the contractor using sterile materials;	Y	
10	10	Do not hold any meetings inside the offices and only meet with through technical means of communication.	Υ	
		Second: Protection of site workers:		
		Provide all safety and health protection equipment provided that it be limited the minimum is as follows:		
П	I	Provide special clothes to work on the site and prevent them from leaving the site;	Y	
12	2	Providing disposable gloves that are delivered to workers before entering the site and disposing of them before leaving the site and in safe places;	N	
13	3	Providing a medical mask to prevent the spread of the spray (N95);	N	
14	4	Establish preventive measures to reduce the spread of fires;	Y	

#	Div. #	MOL Safety Measure / Procedure / Non MOL activity in Blue	Y/N	Comments
15	5	Work to check the temperature of workers at the site before entering the sites and during work and before exiting the site;	Y	
16	6	Adherence to the instructions for spacing between people on the job site and supervisors a minimum of a meter and a half;	Y	
17	7	Preventing gatherings of workers for whatever reasons;	N	
18	8	Providing individual meals to limit gatherings;	N	
19	9	The Occupational Safety and Health Supervisor follows up on all instruction prevention of the outbreak of new COVID- 19 virus and the procedures outlined above;	Y	
20	10	The contractor is obliged to secure the required quarantine to the sites approved by the authorities competent;	Y	
21	11	Continue to change medical masks every two hours for exposed workers to dust directly;	N	
22	12	Providing quantities of water for workers distributed in each work site and easy access to it;	Y	
23	13	The setting of mandatory signs prevents touching the face and adherence to special equipment safety and according to the construction standards and equipment for the viral risks such as medical masks and medical gloves before wearing business gloves structural;	Υ	
24	14	Commitment to occupational safety and health standards, instructions and regulations issued under the Jordanian Labor Law;	Y	
25	15	Commitment by contractors to implement system No. (7) and system No. (42) and regulation (43) according to the requirements of the Labor Law;	Y	
26	16	Do not use long-term (washable) masks for construction workers exposed to dust.	Υ	
		Third: Mobility		
27	1	Transfer (workers and supervisors) according to Guide No. (11), the means of transportation issued by Ministry of Labor.	Υ	
28	2	The vehicles used by the contractor to transport the workers are determined. (Assume this to mean disinfected)	Υ	
		Fourth AA: Cargo transportation		
29	I	All incoming and outgoing vehicles are disinfected by spraying materials disinfection and isolation of the driver directly in the disinfection area located in entrances and exits of the project;	N	

#	Div. #	MOL Safety Measure / Procedure / Non MOL activity in Blue	Y/N	Comments
30	2	All Flyer awareness flyers for COVID-19 are distributed to all drivers;	N	
31	3	Providing all drivers with personal protective equipment through a box dedicated for this equipment.	N	