

# CONTRACTING AND TRADING COMPANY



## **MASDAR FATALITY** **Lessons Learned Report**

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## Lessons Learned Report

Client: MASDAR/KEO/NPC  
Project: P515  
Date: 01-12-2017

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### 1. Purpose of the Lessons Learned Report

Throughout each working day uncontrolled events take place. These events, good or bad, play a part in the everyday Project HSE life cycle, lessons are learned and opportunities for improvement are discovered. So as a part of a continuous improvement process, documenting lessons learned helps C.A.T. Management and Project teams discover and evaluate the root causes of any HSE or Quality problems that have occurred during the course of work activities. Trying to minimise the effects and to avoid those problems in future activities, Project stages or future Projects. Data for this report was gathered by the QHSE Department in conjunction with the Project team, Client and Stakeholders.

The Objective of this report is to minimise any & all related incidents, distributing relevant information for better control and the understanding of the potential problems that could arise during the course of Work activities. Good planning for later Project stages and future projects, improving the implementation of any new HSE requirements for Projects, and preventing or minimizing risks for future Projects.

Lessons Learned Reports are saved in a location that can be easily referenced by Area Department Managers, Project Managers and Project Team members, Sponsors, Stakeholders and especially Employees.



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---

### 2. Overview/Description

#### **FACTS AS WE KNOW THEM**

#### **Accident details**

- Bus had stopped and parked on the side of the road, where there is no designated parking area
- Pickup driver was waiting for the employee (the deceased) to hand him the keys for the stores
- The employee (deceased) had exited from the bus and tried to cross the road from the front side of the bus where there is no zebra crossing lines
- The oncoming vehicle bus driver was trying to overtake the parked bus and he hit the employee crossing the road
- The only activity involved was the employee (deceased) crossing the road, since the incident happened after 12:00 p.m. where all employees were going by bus to have



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---

their lunch break, so no work was involved in the incident hence no related documents or records are there.

- The incident that occurred is categorized as road accident, so the police were contacted directly and emergency vehicle responded to the site of the incident.
- In addition to the control measures below, the driver was stopped from work and taken by the police for investigation. The employee struck by the bus was taken to the hospital and the process of finalizing all the hospital documents started after the hospital pronounced him dead.
- Later on-going actions included the finalization of the death certificate and the release certificate of the body, so it could be prepared and repatriated back to his home country where the funeral will take place. In addition TBT were being conducted on all Projects to prevent such incidents from happening again.
- An Investigation was started immediately by all concerned parties and was closed by KEO on 30/10/2017 after all the documents were collected and agreed upon

### **Control Measures Implemented at that time:**

- Police notified of the incident
- Emergency response team notified by the police
- 2 flag men were mobilized directly
- Traffic Cones where put on the road before and after the incident area
- Road was closed by Police and traffic diverted to an alternate route
- Area was cordoned off until Police finished their investigation
- Road closed sign board, was placed on both sides of the incident area
- TBT was given to all drivers on sites



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---

### 3. Team Summary

By applying basic safety principles, using common sense and exercising precaution, our employees can be prevented from being part of the percentage of traffic accidents that are avoidable.

After a review of all the facts presented the team has formulated the Lessons Learned for implementation.

Below in Section 4. Lessons Learned, are some of the ways that employees/personnel can avoid being involved in traffic accidents in the UAE, as Lessons Learned from the Fatality that is mentioned above.

Motorists drive under a lot of stress due to today's ever-increasing traffic. They often become impatient with all the slow-moving traffic and illegally parked vehicles.

Most motorists are very familiar with the meaning and intent of the numerous roadside safety signs which they see every day. Out of respect for the law and the safe movement of traffic, careful drivers have learned to appreciate and obey the messages which roadside signs convey. Speed limits, regulation of traffic movement as well as warning and route guidance are all important functions of highway signing; no motorist would feel secure venturing out on the highways without these safeguards.

We are all pedestrians at one time or another and we are all bound to obey the traffic laws that assure the safety of all of us: motorist, bicyclist, and pedestrian. Far too many pedestrians, however, seem to ignore the very signals, signs and pavement markings which are installed to govern the movement of **all** traffic. These devices are not just for someone else who may be driving a motor vehicle. **They apply to everyone.**

We should realize that no amount of signals, signs, or pavement markings will be able to protect a pedestrian who does not pay attention to these Signs of safety all around us.



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---

### 4. Lessons Learned

#### Driver Requirements

- As a driver, it is your responsibility to drive safely. To be alert at all times and be attentive to other motorists and pedestrians in the vicinity.
- Never drive under the influence of alcohol.
- Always ensure to buckle up. The life that you save can be your own
- Make sure your passengers buckle up also. It is the Law.
- Minimise distractions such as dialing and talking on cell phones, picking up items from the floor, changing radio stations or tapes/CD's, looking at or reading maps, and taking care of personal needs such as eating, drinking or grooming.
- Allow plenty time to get to your destination, so you don't feel pressurized to speed or disobey traffic signals.
- Be courteous behind the wheel; don't give in to road rage.
- Practice defensive driving at all times.
- Do not drive when tired. Make sure have adequate rest when you are off-duty, and don't put others at risk. If you feel tired whilst driving, pull off the road and have a short rest. Better being safe than sorry.
- Leave a safe distance between your vehicle and the vehicle in front of you. Use a 3-4 second following distance except in hazardous weather conditions where the distance between you should be increased. Use your lights and Wipers when necessary. See and be seen.
- At an intersection look around carefully, left, right, then left again to ensure junction is safe to enter. Always proceed with caution, even if you have the right of way.
- Before changing lanes, check mirror, then signal watching out for other vehicles. Mirror, signal, manoeuvre. Overtake only when safe to do so.
- Obey the speed limit. Excessive speed reduces reaction time and greatly increases impact and injuries.



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Project: P515  
Date: 01-12-2017

---

- Be aware of road conditions. Make yourself more visible by turning on your lights at dusk and dawn, during rain, fog and other adverse conditions. These conditions require more attention, slower speeds and much greater caution.
- Maintain a constant speed. Don't continually slow down then speed up or vice versa.
- Adjust all mirrors so you can see properly. Check mirrors roughly every 15 seconds whilst you are driving.
- Ensure that the vehicle you are responsible for is properly maintained and regularly serviced. Checks include wiper fluid, brakes, tires condition and pressure; replace damaged or faulty wiper blades etc.
- When stopping or parking always use approved Bus Stops or Lay-by. Never stop on the main road.
- Drivers must follow the approved vehicle routes.

By following these driving safety tips you increase your chances of avoiding an accident and getting to your destination safely.

### Passenger Requirements

- Always enter and leave the vehicle in a sensible manner.
- Be aware of you and your surroundings when disembarking a vehicle such as a bus. Think and plan ahead what you intend to do.
- Never cross in front of a vehicle you have just left from. If you need to cross to the other side of the road, always wait till the bus drives off. Or if need be from the back of the bus where the line of sight is better, showing caution at all times. Be aware of your surroundings and the traffic. Do not take risks.
- Passengers shall wait at a designated area, to be determined.
- Always wear your seatbelt at all times whilst travelling.(Where applicable)
- Pay attention to toolbox talks. If there is anything you do not understand, don't be afraid to ask.
- You are responsible for safety, it starts with you.
- When crossing roads do so at an approved crossing. If this is not available, wait for a break in the traffic and cross the road paying attention at all times.



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---

- If the Bus Driver is not driving in a correct manner and disobeying the rules, do not be afraid to tell him and report to your supervisor his actions. There will be no repercussions. Safety First.
- Passengers shall refrain from horseplay or any other activity that would distract the driver.

### **A Reminder -- Be Visible After Dark**

**Night Time Visibility** -- With the busy schedules that so many of us keep, we often find ourselves going for a walk after dinner, when daylight starts to fade. It's important to remember lessons we learned when we were young . . . about wearing bright colors when walking at dusk or after dark. It's easy to carry a flashlight, or to slip a reflective wristband on the arm facing traffic to let drivers know that you're there! It may not make a fashion statement, but it will help you walk safely when the sun goes down, and the headlights come on.

### SEE AND BE SEEN

By following these passenger / pedestrian safety tips above, you increase your chances of avoiding an accident and getting to your destination safely.

The above Lessons Learned / Requirements **shall** be cascaded down to C.A.T. Employees in the form of Toolbox Talks on a regular basis.