



## A CONCRETE MIXER TRUCK OVERTURNED IN A CONSTRUCTION SITE AT THE AIRPORT RESULTING IN A DRIVER BEING INJURED

On 30 May 2024, a concrete mixer truck overturned in a construction site at the airport and crushed the lower body of a driver. The driver was rescued and sent to the hospital for treatment. The Construction Industry Council (CIC) would like to deliver this safety message for your attention. It would be appreciated if you could distribute the message below to your fellow members, relevant personnel or other industry stakeholders where appropriate. Thank you very much.

### Common Accidents

1. Failure to apply the parking brake of a vehicle firmly during parking.
2. Failure to conduct pre-use check for the vehicle to ensure that devices, such as the parking brake, are in safe working order.
3. Park the vehicle on a soft ground or slope.
4. Failure to conduct dynamic risk assessments and take appropriate safety measures in response to changes in the traffic environment.

### Critical Control Measures

1. Prior to the commencement of works, construction team should conduct risk assessments, taking into account the workplace environment, traffic routes and movement of workers; develop a traffic management plan, and brief all drivers and workers about the relevant traffic routes and safety measures.
2. Refer to the requirements stated in the "Road Users' Code", before leaving the vehicle, switch off the engine, leave the vehicle in first (uphill) or reverse (downhill) gear, or park mode (automatic), and apply the parking brake firmly when parking a vehicle on a slope.
3. At the beginning of each working day, pre-use check should be conducted on the vehicles to ensure that the devices such as the parking brake are in safe working order.
4. Set up a regular vehicle maintenance system for competent technical personnel to perform maintenance and repairs of the vehicle.
5. Provide hard, levelled and well drained paving to specific areas on site such as main haul road, exit points and vehicle washing area, materials handling and storage areas.
6. Provide water-filled barriers to walkways in close proximity to the vehicle routes in order to separate the vehicles and pedestrians properly.
7. Park the vehicles in designated parking spaces which are reasonably level and sufficiently remote from the edges of excavations, pits and slope crests where possible.
8. Use appropriate Smart Site Safety System (4S), for example, handbrake position detection system which alerts the driver exiting the vehicle that the parking brake is not firmly applied. Real-time data is also transmitted to the management platform.

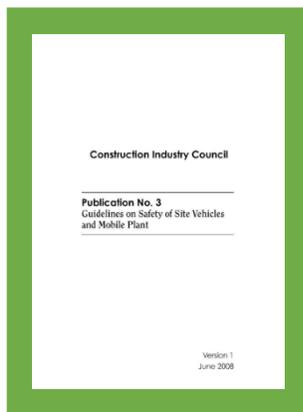


## SAFETY ROLES AND RESPONSIBILITIES OF KEY STAKEHOLDERS IN THE HONG KONG CONSTRUCTION INDUSTRY

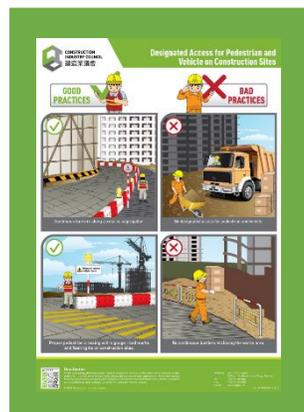
What if all stakeholders can act together and take one step further to fulfill their roles and responsibilities, can similar accident be avoided?

- In the design stage, designers and engineers should consider adopting design for safety methods to reduce the movements of vehicles within the site; and plan the site layout and traffic routes properly.
- During the construction stage, construction team should strengthen the coordination with material suppliers to ensure that the transportation arrangement on site is proceeded according to the plan and under effective supervision.
- Work team shall conduct dynamic risk assessments for the rapidly changing activities, continuously identify the hazards, assess the risks, and take actions to eliminate or reduce risks during construction.
- Workers should follow the developed safe working procedures, in case identifying any changes in the construction process, report it to their supervisors and take action against it immediately.

### Reference information for sharing



Guidelines on Safety of Site Vehicles and Mobile Plant



Poster - Designated Access for Pedestrian and Vehicle on Construction Sites



Construction Innovation and Technology Fund (CITF) Webpage - Smart Site Safety System (4S)



Construction Innovation and Technology Fund (CITF) Webpage - About CITF



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