

## 13 Design New Sites and Upgrades

### Guiding Principle

- ❑ *During the design stage of a new plant or a significant plant upgrade (An upgrade that is likely to impact on vehicle and pedestrian segregation), designers shall refer to the Concrete Vehicle and Pedestrian segregation Principles and associated documents when conducting risk assessments.*

### Introduction

There are a series of Vehicle and Pedestrian Segregation standards that apply to the Concrete business. In these standards are mandatory and recommended actions that sites shall apply or are strongly recommended to apply.

The standards detail the minimum operating requirements for vehicle and pedestrian segregation. As such during any upgrade or new plant design process and risk assessments, sites or designers shall refer to the various standards to ensure that sites meet the minimum requirements.

The following Vehicle and Pedestrian Segregation standards should be referenced when developing controls in relation to this standard.

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| ❑ 01 pedestrian Entry and Exit Points   | ❑ 07 Exclusion Zones                               |
| ❑ 02 vehicle Entry and Exit Points      | ❑ 08 Site and Vehicle Safety Equipment             |
| ❑ 03 Walkways – Pedestrian Access Paths | ❑ 09 Vehicle Parking                               |
| ❑ 04 Pedestrian Calming Points          | ❑ 10 Front End Loader and Forklift                 |
| ❑ 05 Vehicle and Pedestrian Interaction | ❑ 11 Traffic Management Maps and Plans             |
| ❑ 06 Signage                            | ❑ 12 Value Added Product (VAP ) Displays (On site) |

## **Mandatory**

- ❑ During the design stage of a new plant or a significant plant upgrade (An upgrade that is likely to impact on vehicle and pedestrian segregation), designers shall refer to the Concrete Vehicle and Pedestrian segregation Principles and associated documents when conducting risk assessments. This is to ensure that following the upgrade or following the commissioning of the new plant, the plant meets all the mandatory standards for Vehicle and Pedestrian Segregation.
- ❑ Situations where this standard applies includes but not limited to:
  - ❑ Increase in production volumes, therefore leading to increase in truck numbers/movements at site
  - ❑ Upgrade of production facilities at site
  - ❑ Relocation or installation of buildings
  - ❑ During the design stage of any new plant (fixed or mobile) or upgrade to existing plant.
- ❑ During any changes to site the designer shall use the SHE Attachment 2.010 – Site Level Change Management Risk Assessment
- ❑ Where during an upgrade or in the construction of a new plant the required mandatory standards cannot be met, the responsible person shall submit an “Application For Variance”; SHE Attachment 1.02C