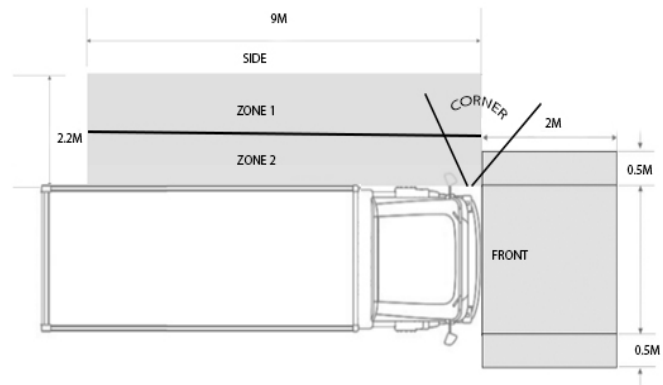


BSIS/MOIS Summary

The **TrafficAngel Progressive Safe System** comprises 3 x AI cameras, 1 x forward, 1 x corner camera and 1 x side camera and achieves all the requirements stipulated by TfL in its latest documentation on PSS/BSIS/MOIS including differentiating between pedestrian and street furniture and the audio warning remaining silent when there no perceived danger to the vulnerable road user (VRU) whilst within detection range.



The front camera ensures NIL blind spots across the front of the vehicle within a zone 2M forwards of the cab and 0.5M to each side. The corner camera provides the crossover coverage ensuring NIL blind spots around the nearside corner. The side camera ensures NIL blind spots from the front of the vehicle down the nearside length and within a zone measuring 2.2M width and 9M length.

BSIS side detection

The BSIS area is divided into 2 zones totalling 2.2M x 9M.

Outer Zone 1: 2.2M - 1.1M from the front of the vehicle and down the side x 9M length. in which any VRU in that zone will trigger a silent amber alert to the driver whether the vehicle is stationary or travelling in a straight line up to 30kph

Inner Zone 2: 1.09M - 0M from the side x 9M length in which any VRU in that zone will trigger a silent red alert to the driver whether the vehicle is stationary or travelling in a straight line up to 30kph

Should the moving vehicle make a left turn in towards the VRU at any stage under 30kph and the VRU is within Zone 1, the driver will receive a silent amber alert. As soon as the vehicle trajectory causes the system to detect the VRU in zone 2 during the left turn, the driver will receive an instant voice warning 'Pedestrian Left' accompanied by a red visual alert. VRU activity alongside the nearside of the vehicle within zones 1 and 2 will remain visual warnings only until the driver makes the left turn.

Corner detection

The corner camera zone varies and is dependent on vehicle shape but must always adequately cover any gap in detection zone where side and front camera coverage does not meet and cross over

MOIS front detection

The MOIS front area comprises 1 zone 2M x 0.5M either side of the front. Should any VRU enter the zone whilst the driver is moving between 0-5kph, the system will issue a red visual alert plus audible voice warning 'Pedestrian Front'.