

## SB.14 HGV FLOW PLATES

## FITTING INSTRUCTIONS

A. Plates can be fixed direct to concrete or heavy-duty high grade tarmac surfaces by drilling the road way and inserting 8 anchor bolts (75 mm long).

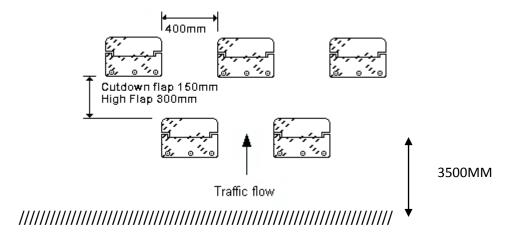
NOTE: FIXING STUDS WITH NUTS ARE NOT TO BE USED

- B. For low-grade tarmac surfaces (not highway standard) it is recommended that the installation procedure be as follows:-
  - 1. Cast concrete pads 550 x 450 x 300mm deep.
  - 2. Drill 8 holes for 12mm anchor bolts 75mm deep.
  - 3. Use bolts only and not fixing studs. (Do Not Weld Bolts to Plates)
  - 4. The recommended spacing is shown in fig.1.
  - 5. No drainage required.
  - 6. Speed ramps and 5mph signs are strongly recommended.

## **RECOMMENDATIONS**

- 1. Raise the road surface to restrict approach speed of cars.
- 2. Avoid sitting plates on a convex slope.
- 3. Avoid layouts encouraging cars to approach plates more than 15 degrees out of line.
- 4. Provide good general illumination.
- 5. It is essential that the spring is lubricated/ greased on a regular basis and debris removed from under the flap.

Fig.1.



## RAISED ROAD SURFACE